FOR CONTRACT NO. 07-286904
PROJECT NO. 0700020897

INFORMATION HANDOUT

Aerially Deposited Lead Site Investigation Report, Route 60 KP 17.70/28.97 from Route 605 to Azusa Avenue, Contract No. 43A0087, Task Order No. 07-129411-3C, EA 129411, prepared by GEOCON Consultants Inc., June 28, 2004

Aerially Deposited Lead Site Investigation Report, Route 60 KP 28.97/37.01 from Azusa Avenue to Brea Canyon Road, Contract No. 43A0087, Task Order No. 07-129411-3C, EA 129421, prepared by GEOCON Consultants Inc., June 29, 2004

ROUTE: 07-LA-60 11.6/R23.6

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AERIALLY DEPOSITED LEAD INVESTIGATION REPORT

ROUTE 60 KP 17.70/28.97
FROM ROUTE 605
TO AZUSA AVENUE
LOS ANGELES COUNTY, CALIFORNIA
CONTRACT NO. 43A0078
TASK ORDER NO. 07-129411-3C
EA 129411

PREPARED FOR

CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 7
ENVIRONMENTAL ENGINEERING
LOS ANGELES, CALIFORNIA

PREPARED BY

GEOCON CONSULTANTS, INC.
6970 FLANDERS DRIVE
SAN DIEGO, CALIFORNIA 92121
Tel. (858) 558-6100 Fax. (858) 558-8437
Email: environmental@geoconinc.com

GEOCON PROJECT NO. 09100-06-111

JUNE 28, 2004

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. 09100-06-111
Task Order No. 07-129411-3C
June 28, 2004

HAND-DELIVERED

Mr. Timothy Lee
California Department of Transportation, District 7
Environmental Engineering
801 S. Grand Avenue, Suite 1600
Los Angeles, California 90017

Subject: AERIALLY DEPOSITED LEAD INVESTIGATION REPORT
ROUTE 60 KP 17.70/28.97
FROM ROUTE 605 TO AZUSA AVENUE
LOS ANGELES, CALIFORNIA
CONTRACT NO. 43A0078
TASK ORDER NO. 07-129411-3C
EA 129411

Dear Mr. Lee:

In accordance with Caltrans Contract No. 43A0078 and Task Order No. 07-129411-3C dated March 9, 2004, Geocon Consultants, Inc. has performed an aerially deposited lead (ADL) investigation of the soil in the unpaved areas along the east and westbound shoulders along Route 60 from Route 605 to Azusa Avenue, Los Angeles County, California. The accompanying report summarizes the services performed, including the advancement of hand-auger borings, limited soil sampling, laboratory analyses, statistical analyses, and Geographical Information Systems (GIS) Surveying. Please call if you have any questions.

Sincerely,

GEOCON CONSULTANTS, INC.

REGISTERED GEOLOGIST
RONALD J KOFRON #1527 CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Michael P. Conkle, RG
Project Geologist

Ronald J. Kofron, CEG 1527
Manager, Environmental Services

MPC:RJK:kor

(5) Addressee

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I. EXECUTIVE SUMMARY

Geocon Consultants, Inc. (Geocon) has performed an aerially deposited lead (ADL) investigation of the soil in the unpaved areas along the east and westbound shoulders of Route 60 from Route 605 to Azusa Avenue, Los Angeles County, California. The California Department of Transportation (Caltrans) proposes to excavate soil at the site as part of the widening of this portion of Route 60 to accommodate the additional HOV lanes, new retaining walls, and soundwalls.

The investigation was performed to evaluate the presence of lead resulting from the historical combustion of leaded fuels from freeway traffic. Data from the investigation was used to evaluate the potential reuse or disposal considerations for soil excavated at the site, and to inform Caltrans of potential health and safety issues concerning the presence of lead in soil for workers at the site during construction activities.

Soil samples collected from the site were subsequently analyzed for total lead. Selected samples were analyzed for soluble lead using the Waste Extraction Test method using citric acid (WET-Citric) as the extractant, soluble lead using a modified WET method using deionized water (WET-DI) as the extractant, soluble lead using the Toxicity Characteristic Leaching Procedure (TCLP), California Code of Regulations (CCR) Title 22 metals and/or pH.

Laboratory analytical results and statistical analysis using one-sided 90% upper confidence limits (UCLs) were compared to the guidelines of the Department of Toxic Substances Control (DTSC) Lead Variance issued to Caltrans, Assembly Bill 414, and the DTSC variance modification letter dated December 13, 2002, which modifies the Variance, to develop recommendations for reuse of soil from the site. Offsite disposal conclusions were based upon comparison of the total lead 95% UCLs to the California Health and Safety Code (HSC) threshold of 350 milligrams per kilogram (mg/kg), predicted WET-Citric results to the CCR Title 22 soluble lead threshold of 5.0 milligrams per liter (mg/l), and TCLP 95% UCLs to the RCRA threshold of 5.0 mg/l.

Analysis of selected soil samples for CCR Title 22 metals did not indicate the presence of any of these elements (other than lead) at or above their respective Total Threshold Limit Concentrations (TTLCs). Copper was reported in one sample at a total concentration of 260 mg/kg. Other than lead, this was the only metal reported at a total concentration greater than 10 times their respective Soluble Threshold Limit Concentrations (STLCs).

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

GROUP 1

Group 1 is comprised of the eastbound Route 60 shoulder from the northbound Route 605 onramp to Crossroads Parkway East including the Crossroads Parkway South onramp to eastbound Route 60, KP 17.7/19.5. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 0.6 meters (m)

beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.6 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 2, Borings 610-127 to 610-129

Group 2 is comprised of the eastbound Route 60 shoulder from Crossroads Parkway East to 500 meters west of Seventh Avenue, KP 19.6/21.3. Because of the occurrence of elevated lead concentrations isolated near boring 610-128, Group 2 was divided into two sections for soil handling purposes: One section, between borings 610-127 and 610-129 (KP 20.5/20.7), and the remainder of the Group (KP19.6/20.5 and 20.7/21.3).

Based on the TCLP 95% UCL data set, if any portion of the upper 0.6 m of soil is excavated from the area between borings 610-127 and 610-129 (KP 20.5/20.7), it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Ex-situ soil sampling and analyses for total lead and soluble lead (both WET and TCLP) should be performed prior to off-site disposal.

GROUP 2, Remaining

Based upon the 90% UCLs for total lead and WET-DI for the remaining section of Group 2 (KP 19.6/20.5 and 20.7/21.3), if the entire soil column up to 0.6 m beneath the surface is treated as a single unit it may be reused on-site without restriction. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it should be handled as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m should be treated as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit for disposal, it should be handled as a California hazardous material with

respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 3

Group 3 is comprised of the eastbound Route 60 shoulder from 500 meters west of Seventh Avenue to Turnbull Avenue including the eastbound Route 60 off and on ramps to and from Seventh Avenue, KP 21.5/23.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 4

Group 4 is comprised of the eastbound Route 60 shoulder from Turnbull Avenue to Hacienda Boulevard including the eastbound Route 60 off and on ramps to and from Hacienda Boulevard, KP 23.1/24.4. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

One sample (610-174-S) exhibited a total copper concentration greater than ten-time the STLC (260 mg/kg VS. a STLC of 25 mg/l). Because the sample was not analyzed for soluble copper by the WET method it is unknown if the sample would be characterized as a hazardous material with respect to copper. Additional sampling for total and soluble copper is required to adequately assess the reusability of the soil. Additional sampling in the vicinity of boring 610-174 and analysis of total and soluble copper during construction is recommended prior to reuse. Soils containing total copper concentrations greater than 2,500 mg/kg or soluble copper concentrations greater than 25 mg/l would not be suitable for reuse.

GROUP 5

Group 5 is comprised of the eastbound Route 60 shoulder from Hacienda Boulevard to 100 meters east of Stimson Avenue, KP 24.4/25.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 6

Group 6 is comprised of the eastbound Route 60 shoulder from 1,000 meters east of Stimson Avenue to the Rowland Channel, KP 26.0/27.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 0.6 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.6 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be

characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 7

Group 7 is comprised of the eastbound Route 60 shoulder from the Rowland Channel to 400 meters east of Azusa Avenue including the eastbound Route 60 off and on ramps to and from Azusa Avenue, KP 27.1/28.2. Based upon the 90% UCLs for total lead and WET-DI, if the entire soil column up to 1.5 m beneath the surface is treated as a single unit it may be reused on-site without restriction.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 8

Group 8 is comprised of the westbound Route 60 shoulder from Seventh Avenue to Crossroads Parkway East including the westbound Route 60 off ramp to Crossroads Parkway East and the westbound Route 60 on ramp from Seventh Avenue, KP 19.5/21.7. Based upon the TCLP 95% UCL, if any portion of the upper 1.5 m of soil is excavated, it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification. Ex-situ soil sampling and analyses for total lead and soluble lead (both WET and TCLP) should be performed prior to off-site disposal.

GROUP 9

Group 9 is comprised of the westbound Route 60 shoulder from Turnbull Avenue to Seventh Avenue including the westbound Route 60 off ramp to Gale Avenue/Seventh Avenue, KP 21.7/23.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if any portion of the upper 1.5 m of excavated soil is to be disposed of, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 10

Group 10 is comprised of the westbound Route 60 shoulder from Hacienda Boulevard to Turnbull Avenue including the westbound Route 60 on ramp from southbound Hacienda Boulevard, KP 23.1/24.3. Based upon the TCLP 95%, if any portion of the upper 1.5 m of soil is excavated, it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification. Ex-situ soil sampling and analyses for total lead and soluble lead (both WET and TCLP) should be performed prior to off-site disposal.

GROUP 11

Group 11 is comprised of the westbound Route 60 shoulder from 100 meters east of Stimson Avenue to Hacienda Boulevard including the westbound Route 60 on ramp from northbound Hacienda Boulevard, KP 24.4/25.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 12

Group 12 is comprised of the westbound Route 60 shoulder from 300 meters east of Azusa Avenue to 1,000 meters east of Stimson Avenue including the westbound Route 60 off and on ramps to and from Azusa Avenue, KP 26.0/27.9. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 0.6 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.6 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 1

Bridge 1 is comprised of the eastbound side of the Route 60 overcrossing at Workman Mill Road, KP 18.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.6 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Because the only sample from this group analyzed for TCLP had a reported concentration less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 2

Bridge 2 is comprised of the eastbound side of the Route 60 overcrossing at the Union Pacific Railroad overcrossing, KP 18.4. Based upon the 90% and 95% arcsine transformed total lead and TCLP UCLs, any portion of the upper 1.5 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

BRIDGE 3

Bridge 3 is comprised of the eastbound and westbound sides of the Route 60 overcrossing at Seventh Avenue, KP 21.8. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 4

Bridge 4 is comprised of the eastbound and westbound sides of the Route 60 overcrossing at Turnbull Avenue, KP 23.1. Based upon the 90% UCLs for total lead and WET-DI, if the entire soil column up to 1.5 m beneath the surface is treated as a single unit it may be reused or disposed of without restriction.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as non-hazardous. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 5

Bridge 5 is comprised of the eastbound and westbound sides of the Route 60 overcrossing at Hacienda Boulevard, KP 24.4. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 6

Bridge 6 is comprised of the eastbound and westbound sides of the Route 60 overcrossing at Stimson Avenue, KP 25.0. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 7

Bridge 7 is comprised of the eastbound and westbound sides of the Route 60 overcrossing at Rowland Channel, KP 27.1. Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion

of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

AERIALLY DEPOSITED LEAD INVESTIGATION REPORT

1. INTRODUCTION

1.1 Project Description and Objectives

Geocon has performed an ADL investigation of the exposed soil in the unpaved areas along the east and westbound shoulders along Route 60 from Route 605 to Azusa Avenue, Los Angeles County, California (Figure 1). Caltrans proposes to excavate soil at the site to accommodate the additional HOV lanes, new retaining walls, and soundwalls. For the purpose of this investigation, the project was divided into twelve groups and seven bridges consisting of:

- Group 1: Eastbound Route 60 shoulder from the northbound Route 605 onramp to Crossroads Parkway East including the Crossroads Parkway South onramp to eastbound Route 60, KP 17.7/19.5;
- Group 2: Eastbound Route 60 shoulder from Crossroads Parkway East to 500 meters west of Seventh Avenue, KP 19.6/21.3;
- Group 3: Eastbound Route 60 shoulder from 500 meters west of Seventh Avenue to Turnbull Avenue including the eastbound Route 60 off and on ramps to and from Seventh Avenue, KP 21.5/23.1;
- Group 4: Eastbound Route 60 shoulder from Turnbull Avenue to Hacienda Boulevard including the eastbound Route 60 off and on ramps to and from Hacienda Boulevard, KP 23.1/24.4;
- Group 5: Eastbound Route 60 shoulder from Hacienda Boulevard to 100 meters east of Stimson Avenue, KP 24.4/25.1;
- Group 6: Eastbound Route 60 shoulder from 1,000 meters east of Stimson Avenue to the Rowland Channel, KP 26.0/27.1;
- Group 7: Eastbound Route 60 shoulder from the Rowland Channel to 400 meters east of Azusa Avenue including the eastbound Route 60 off and on ramps to and from Azusa Avenue, KP 27.1/28.2;
- Group 8: Westbound Route 60 shoulder from Seventh Avenue to Crossroads Parkway East including the westbound Route 60 off ramp to Crossroads Parkway East and the westbound Route 60 on ramp from Seventh Avenue, KP 19.5/21.7;
- Group 9: Westbound Route 60 shoulder from Turnbull Avenue to Seventh Avenue including the westbound Route 60 off ramp to Gale Avenue/Seventh Avenue, KP 21.7/23.1;
- Group 10: Westbound Route 60 shoulder from Hacienda Boulevard to Turnbull Avenue including the westbound Route 60 on ramp from southbound Hacienda Boulevard, KP 23.1/24.3;

- Group 11: Westbound Route 60 shoulder from 100 meters east of Stimson Avenue to Hacienda Boulevard including the westbound Route 60 on ramp from northbound Hacienda Boulevard, KP 24.4/25.1;

- Group 12: Westbound Route 60 shoulder from 300 meters east of Azusa Avenue to 1,000 meters east of Stimson Avenue including the westbound Route 60 off and on ramps to and from Azusa Avenue, KP 26.0/27.9;

- Bridge 1: Eastbound side of the Route 60 overcrossing at Workman Mill Road, KP 18.1;

- Bridge 2: Eastbound side of the Route 60 overcrossing at the Union Pacific Railroad overcrossing, KP 18.4;

- Bridge 3: Eastbound and westbound sides of the Route 60 overcrossing at Seventh Avenue, KP 21.8;

- Bridge 4: Eastbound and westbound sides of the Route 60 overcrossing at Turnbull Avenue, KP 23.1;

- Bridge 5: Eastbound and westbound sides of the Route 60 overcrossing at Hacienda Boulevard, KP 24.4;

- Bridge 6: Eastbound and westbound sides of the Route 60 overcrossing at Stimson Avenue, KP 25.0; and

- Bridge 7: Eastbound and westbound sides of the Route 60 overcrossing at Rowland Channel, KP 27.1.

The objective of the ADL investigation was to evaluate soil at the site for the presence of lead resulting from the historical combustion of leaded fuels from freeway traffic. The information obtained from the limited soil sampling and laboratory testing was used to evaluate the method of reuse or disposal of soil excavated during the proposed construction activities at the site. The data was also used to inform Caltrans of potential health and safety issues for workers at the site.

1.2 Scope of Work

Geocon performed the following tasks:

1.2.1 Pre-field Activities

- Attended a Task Order meeting on March 16, 2004, to discuss issues such as field methods, boring locations, health and safety measures, and the completion schedule.

- Prepared a Health and Safety Plan (H&SP) dated March 17, 2004, for the proposed activities. The Health and Safety Plan included guidelines for the use of personal protective equipment for Geocon employees during the field activities. The H&SP specifies the safety procedures

for work to be performed at the site, chemical hazard information, site safety officers, and medical emergency locations. The H&SP was prepared as required by Contract 43A0078 in general accordance with 29 CFR 1910.120 and CCR Title 8.

- Contacted Underground Service Alert (USA) to notify utility companies of the field activities. The USA ticket numbers are A721202, A721209, A721214, A721219, A721225, A721230, A771623, A771627, and A771630.

1.2.2 Limited Soil Sampling

A 7.62-centimeter diameter hand auger was used to collect 796 soil samples from 236 boring locations from the site on March 22, 2004 through March 25, 2004. Boring locations were provided by Caltrans as specified on the figures furnished to Geocon by the Caltrans Contract Manager at the time of the Task Order meeting and by discussions with the Caltrans Contract Manager, for the evaluation of the subsurface condition at the site. Borings locations were divided into 19 groups (Group 1 through Group 12 and Bridge 1 through Bridge 7) based on geographical location. Borings were advanced to a maximum depth of 1.5 meters below the ground surface, and soil samples were collected at 0.15, 0.3, 0.6, and 1.5 meters below the ground surface. The approximate boring locations are shown on the Boring Location Maps. The borings were subsequently backfilled with the soil cuttings generated.

1.2.3 Laboratory Analyses

Geocon submitted the soil and water samples under chain of custody procedures to Advanced Technology Laboratories (ATL), a California Department of Health Services (CDOHS)-certified analytical laboratory. All soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B. Soil samples exhibiting total lead concentrations greater than or equal to 50 milligrams per kilograms (mg/kg) were analyzed for soluble lead following EPA Test Method 7420 using the WET-Citric method. Samples exhibiting WET-Citric concentrations greater than or equal to 5.0 milligrams per liter (mg/l) were analyzed for soluble lead following EPA Test Method 7420 using the WET-DI method. Samples exhibiting total lead concentrations greater than or equal to 1,000 mg/kg were analyzed for soluble lead following EPA Test Method 1311 using the TCLP. A minimum of 25% of the samples from each group were analyzed using the TCLP. If no samples exhibiting total lead concentrations greater than 1,000 mg/kg were reported in a group, the samples with the highest total lead concentration were analyzed by TCLP. The two samples exhibiting the highest total lead concentrations in each group were also analyzed for CCR Title 22 metals following EPA Test Method 6010B/7471. Metals included in this analysis are antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. In addition, 105 soil samples were analyzed for pH following EPA Test Method 9045. Ten percent of the soil samples from each group, or a minimum of four samples from each group, were randomly selected to be analyzed for pH.

Eighty-seven equipment blanks were analyzed for total lead using EPA Test Method 6010B.

1.2.4 GPS Surveying

Each boring location was recorded using a Global Positioning System (GPS) receiver. Data was recorded using the Axis III™ receiver system, using State Plane 83 coordinates, with the IMAP™ software package. Boring location coordinates, in latitude and longitude, are provided in Table I.

Each boring location, sample, and analytical test result was entered into a Microsoft 2000 Access database in a format provided by Caltrans. Boreholes were given a unique three digit ID assigned by Caltrans followed by a dash and then sequential numbering beginning with "101." The unique three digit ID for this EA is 610. The Microsoft 2000 Access database was provided to Caltrans in an electronic submittal.

1.2.5 Report Preparation

This report was prepared as outlined in Contract No. 43A0078 and Task Order No. 07-129411-3C summarizing the results of the aerially deposited lead investigation activities requested by Caltrans.

1.3 Previous Site Investigations

Caltrans has notified Geocon that Engineering Science, Inc. performed lead site investigation on June 22, 1994, under a combined project EA 12940K. However, due to changes in environmental regulations, the data collected were deemed inadequate to provide a complete assessment of the lead contaminated soil. Geocon has not performed a previous investigation at the site.

2. BACKGROUND

2.1 Aerially Deposited Lead in Soil

Testing by Caltrans throughout the State has shown that aerially deposited lead exists in soil along major freeway routes resulting from automobile exhaust containing lead from the combustion of leaded gasoline. Elevated lead concentrations are generally found within 9.1 meters of the edge of pavement and within the top 0.15 meters of soil. Elevated lead concentrations can also be present as deep as 0.60 to 0.90 meters below the surface. The concentration and distribution of aerially deposited lead in soil is dependent on many variables, but in general, traffic volume and age of a highway are the primary factors.

2.2 Hazardous Waste Classification Criteria

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in the CCR, Title 22, Division 4.5, Chapter 11, Article 3, §66261.24. Criteria to classify a waste as "Resource, Conservation and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), §261.

For a waste containing metals, the waste is classified as "California hazardous" when: (1) the total metal content exceeds the Total Threshold Limit Concentration (TTLC); or (2) the soluble metal content exceeds the Soluble Threshold Limit Concentration (STLC) based on a Waste Extraction Test (WET) analysis. A material is classified as "RCRA hazardous" when the soluble metal content exceeds the Federal Regulatory Level based on Toxicity Characteristic Leaching Procedure (TCLP) testing.

The above regulatory criteria are based on toxicity. Wastes may also be classified as hazardous based on other criteria including ignitability, toxicity, corrosivity, and reactivity. However, for the purposes of ADL investigations, toxicity and corrosivity (e.g., chemical concentrations and soil pH values, respectively) are the primary factors considered for waste classification. Waste that is classified as either "California hazardous" or "RCRA hazardous" requires management as a hazardous waste and disposal at an approved disposal facility.

According to §25157.8 of the HSC, after January 1, 1999, no person shall dispose of waste that contains total lead in excess of 350 mg/kg to land other than a Class I hazardous waste disposal facility.

2.3 DTSC Variance

The DTSC issued a variance to selected Caltrans Districts on September 22, 2000, to provide guidance for the disposition of soil containing ADL within Caltrans projects. The California State Assembly passed Assembly Bill (AB) 414, dated October 14, 2001, which allows Caltrans to reuse lead-impacted soil within their right-of-way provided that total lead concentrations do not exceed 1,496 mg/kg. The DTSC further modified the variance in a letter dated December 13, 2002, allowing lead-impacted soil to be reused on-site provided that total lead concentrations do not exceed 3,397 mg/kg. Review of the original and revised variance and AB 414 regarding Caltrans' reuse and management of ADL-impacted soil as fill material for construction and maintenance operations indicates the following conditions.

2.3.1 Condition 1 – Cover with Non-Hazardous Soil

Soil exhibiting soluble lead concentrations less than or equal to 0.5 mg/l (WET-DI) and total lead concentrations of 1,411 mg/kg or less may be used as fill provided that the soil containing ADL is placed a minimum of 1.5 meters above the maximum water table elevation and covered with at least 0.3 meters of non-hazardous soil. Contaminated soil with a pH less than 5.0 shall only be used as fill material under the paved portion of the roadway as described in Condition 3 below.

2.3.2 Condition 2 – Cover with Pavement Structure

Soil exhibiting soluble lead concentrations greater than 0.5 mg/l and less than 50 mg/l (WET-DI) and/or total lead concentrations more than 1,411 mg/kg but less than 3,397 mg/kg may be used as fill provided that the soil containing ADL is placed a minimum of 1.5 meters above the maximum water table elevation and protected from infiltration by a pavement structure maintained by Caltrans. Contaminated soil with a pH less than 5.0 shall only be used as fill material under the paved portion of the roadway as described in Condition 3 below.

2.3.3 Condition 3

Contaminated soil with a pH less than 5.0 may be used as fill material only under the paved portion of the roadway. Condition 3 prevails under either Condition 1 or 2.

2.4 Criteria for Disposal of Soil Not Intended for Reuse Onsite

If the excavated soil is not intended to be reused within the Caltrans right-of-way, then hazardous waste determination of the soil is based on total and soluble lead concentrations using the lead TTLC and STLC contained in CCR Title 22 of the *CCR* Article 3, §66261.24. When the total lead concentration is greater than ten times the lead STLC, regulatory agencies typically require the WET using citric acid. It is the result from the WET that is compared to the STLC. The TTLC for lead is 1,000 mg/kg and the STLC for lead using acid extract is 5.0 mg/l. However, as previously indicated, disposal of waste that contains total lead in excess of 350 mg/kg to land other than a Class I hazardous waste disposal facility (or other designated facility meeting all the criteria in HSC 25157.8(3)(b)) is prohibited.

Federal or RCRA hazardous waste determination of the soil is based upon the soluble lead concentration using the TCLP as indicated in 40 CFR, §261. The soluble lead limit using the TCLP method is 5.0 mg/l. Under federal law, waste exhibiting a hazardous characteristic as defined by 40 CFR, Chapter 1 §261.10 are prohibited from land disposal except as allowed under §268. Soil that exhibits the characteristic of lead toxicity has the EPA Hazardous Waste Number D008.

3. INVESTIGATIVE METHODS

3.1 Field Methods

3.1.1 Soil Sampling

Soil sampling and handling methods used by Geocon to complete this Task Order are outlined in the Geocon Standard Operating Procedure (SOP) Modified SOP No. 11 - Hand-Augering and Soil Sample Collection/Handling Procedures, presented as Appendix A.

3.1.2 Equipment Blank Sampling

One equipment blank sample was collected per chain-of-custody (every ten soil samples) to verify proper cleaning of the sampling equipment. The equipment blank sample was obtained by passing deionized water over the decontaminated sampling equipment and into laboratory-provided containers.

3.2 Deviations from Work Plan

A work plan was not prepared for this TO; however, Geocon performed the scope of work as described in the TO with the following exceptions:

- Borings 610-115, 610-132, 610-133, 610-134, 610-143, 610-145, 610-155, 610-157, 610-158, 610-165, 610-172, 610-181, 610-210, 610-227, 610-230, 610-234, 610-237, 610-242, 610-251, 610-254, 610-255, 610-257, 610-260, 610-264, 610-266, 610-269, 610-270, 610-271, 610-274, 610-275, 610-277, 610-278, 610-279, 610-285, 610-293, 610-308, 610-310, 610-327, 610-330, 610-331, and 610-332 were not completed to the proposed depth because of refusal due to the presence of large rocks.

- Borings 610-162 and 610-163 were not performed because access was unavailable.

- At Caltrans request the surface waster samples from Hacienda Creek and the Rowland Channel were not collected.

- As requested in the Task Order borings 610-312 and 610-314 were conducted on the northbound side of Bridge 1. The soil sample results are presented in this report, however, at the request of Caltrans, the data was not used in any statistical analyses because the proposed improvement at the bridge is on the eastbound side only.

4. INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS

4.1 Site Geology and Hydrology

The soil conditions encountered consisted generally of loose to moderately dense, dry, brown to dark-brown, clayey sand with coarse gravel. Groundwater was not encountered in the hand-auger borings.

4.2 Analytical Laboratory Results

A summary of the results of the laboratory analyses for total lead, WET-Citric, WET-DI, TCLP, and pH is presented in Table I. A summary of the CCR Title 22 metals results is provided in Table II. Reproductions of the laboratory reports and chain-of-custody documentation are presented as Appendix B. All analyses were processed using laboratory seven-business-day turn-around times. Eighty-seven equipment blank water samples were analyzed for total lead. All concentrations were below the detection limit of 0.005 mg/l. Soil sample analytical results are summarized as follows (see Section 1.2.3 for analytical methods used).

4.2.1 Lead and pH Results – Group 1

- **Total Lead –** Fifty-five soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 1,800 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Twelve soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.49 mg/l to 26 mg/l;

- **WET-DI –** Seven samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.43 mg/l;

- **TCLP** – Fourteen soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 5.6 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH –** Six soil samples were tested for pH. Values ranged from 7.39 to 8.70, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.2 Lead and pH Results – Group 2

- **Total Lead –** Fifty-one soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 1,400 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Thirteen soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 2.6 mg/l to 130 mg/l;

- **WET-DI –** Twelve samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 4.5 mg/l;

- **TCLP** – Thirteen soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 19 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Six soil samples were tested for pH. Values ranged from 7.40 to 8.72, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.3 Lead and pH Results – Group 3

- **Total Lead –** Eighty-five soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 4,100 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –**Twenty-nine soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 1.3 mg/l to 83 mg/l;

- **WET-DI –** Twenty-four samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.88 mg/l;

- **TCLP** – Twenty-two soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 14 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Nine soil samples were tested for pH. Values ranged from 6.81 to 8.50, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.4 Lead and pH Results – Group 4

- **Total Lead –** Sixty-seven soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 890 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Eighteen soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.76 mg/l to 130 mg/l;

- **WET-DI –** Fifteen samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 2.0 mg/l;

- **TCLP** – Seventeen soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 5.4 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Seven soil samples were tested for pH. Values ranged from 6.83 to 8.90, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC. Copper was reported in one sample (610-174-S) at a concentration greater than ten-times the STLC (260 mg/kg VS. a STLC of 25 mg/l).

4.2.5 Lead and pH Results – Group 5

- **Total Lead –** Twenty-six soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 790 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Seven soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 2.9 mg/l to 57 mg/l;

- **WET-DI –** Six samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.32 mg/l;

- **TCLP** – Seven soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 1.5 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.93 to 8.87, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.6 Lead and pH Results – Group 6

- **Total Lead –** Thirty-three soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 520 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Fourteen soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.74 mg/l to 18 mg/l;

- **WET-DI –** Eleven samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 3.40 mg/l;

- **TCLP** – Nine soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l 0.83 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 6.90 to 8.07, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.7 Lead and pH Results – Group 7

- **Total Lead –** Fifty-seven soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 470 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Fourteen soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 2.9 mg/l to 28 mg/l;

- **WET-DI –** Eleven samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.61 mg/l;

- **TCLP** – Fifteen soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 0.70 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Six soil samples were tested for pH. Values ranged from 6.44 to 8.30, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.8 Lead and pH Results – Group 8

- **Total Lead –** One-hundred-one soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 3,800 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Fifty-three soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 2.0 mg/l to 92 mg/l;

- **WET-DI –** Forty-six samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 2.6 mg/l;

- **TCLP** – Twenty-six soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from 0.59 mg/l to 41 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Eleven soil samples were tested for pH. Values ranged from 7.22 to 8.82, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.9 Lead and pH Results – Group 9

- **Total Lead –** Sixty-seven soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 1,200 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Thirty-four soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 1.9 mg/l to 85 mg/l;

- **WET-DI –** Twenty-seven samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 1.8 mg/l;

- **TCLP** – Seventeen soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 6.9 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Seven soil samples were tested for pH. Values ranged from 7.32 to 9.14, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.10 Lead and pH Results – Group 10

- **Total Lead –** Forty-four soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 2,100 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Twenty-four soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 74 mg/l;

- **WET-DI –** Eleven samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.93 mg/l;

- **TCLP** – Eleven soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from 1.1 mg/l to 16 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Five soil samples were tested for pH. Values ranged from 7.45 to 9.14, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.11 Lead and pH Results – Group 11

- **Total Lead –** Twenty-eight soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 880 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Thirteen soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 74 mg/l;

- **WET-DI –** Nine samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.26 mg/l;

- **TCLP** – Seven soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from 0.36 mg/l to 5.0 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 6.94 to 9.26, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.12 Lead and pH Results – Group 12

- **Total Lead –** Seventy-six soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 850 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Thirty-nine soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.40 mg/l to 61 mg/l;

- **WET-DI –** Twenty-eight samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.29 mg/l;

- **TCLP** – Nineteen soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from 0.36 mg/l to 3.0 mg/l. The TCLP limit for RCRA waste for lead is 5.0 mg/l;

- **pH** – Eight soil samples were tested for pH. Values ranged from 6.01 to 8.01, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.13 Lead and pH Results – Bridge 1

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 870 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Five soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 5.1 mg/l to 62 mg/l;

- **WET-DI –** Five samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 1.0 mg/l;

- **TCLP** – Five soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 2.0 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 8.00 to 8.30, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.14 Lead and pH Results – Bridge 2

- **Total Lead –** Fourteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 70 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** One soil sample exhibited a total lead concentration greater than 50 mg/kg, and was analyzed using the WET-Citric method. The WET-Citric concentration was 4.3 mg/l;

- **WET-DI –** No samples exhibited a WET-Citric concentration greater than 5.0 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. All of the TCLP results were below the laboratory reporting limit of 0.25 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.36 to 8.43, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.15 Lead and pH Results – Bridge 3

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 510 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Two soil samples exhibited total lead concentrations greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 8.4 mg/l to 35 mg/l;

- **WET-DI –** Two samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.34 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 2.7 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.77 to 8.91, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.16 Lead and pH Results – Bridge 4

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 140 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Three soil samples exhibited total lead concentrations greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 3.5 mg/l to 7.8 mg/l;

- **WET-DI –** One sample exhibited a WET-Citric concentration greater than 5.0 mg/l and was analyzed using the WET-DI method. The WET-DI concentration was below the laboratory reporting limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. All of the TCLP results were below the laboratory reporting limit of 0.25 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.57 to 8.18, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.17 Lead and pH Results – Bridge 5

- **Total Lead –** Fourteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 1,400 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Six soil samples exhibited total lead concentrations greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 3.4 mg/l to 87 mg/l;

- **WET-DI –** Four samples exhibited WET-Citric concentrations greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 1.8 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations in the samples ranged from 0.31 mg/l to 2.0 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.16 to 8.56, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.18 Lead and pH Results – Bridge 6

- **Total Lead –** Fourteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 220 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Five soil samples exhibited total lead concentrations greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.37 mg/l to 17 mg/l;

- **WET-DI –** Two samples exhibited WET-Citric concentrations greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples were below the laboratory reporting limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 0.66 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.43 to 8.50, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.19 Lead and pH Results – Bridge 7

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from 6.6 mg/kg to 340 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Six soil samples exhibited total lead concentrations greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 4.6 mg/l to 31 mg/l;

- **WET-DI –** Five samples exhibited WET-Citric concentrations greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory reporting limit of 0.25 mg/l to 1.2 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP. The TCLP concentrations in the samples ranged from 0.39 mg/l to 2.1 mg/l;

- **pH** – Four soil samples were tested for pH. Values ranged from 7.58 to 8.13, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.3 Data Validation

Geocon and ATL use QA/QC measures to minimize and control errors associated with field and laboratory methods. Field QA/QC measures consist of cleaning sampling equipment between each use with a detergent solution followed by successive rinses in tap and deionized water. Based on the results of the equipment blanks collected as part of this investigation, Geocon considers the field investigation free from potential cross-contamination resulting from inadequate equipment decontamination.

Laboratory QA/QC measures include the use of matrix spikes, duplicates and method blanks, in addition to calculation of percent recovery and relative percentage difference (RPD). A review of the laboratory QA/QC results indicates satisfactory data reporting.

Some of the samples analyzed by the soluble lead were diluted because of high soluble lead concentrations in the sample. A result reported by the laboratory with a practical quantitation limit (PQL) greater than 0.25 mg/l indicates that the sample was diluted because of the conditions stated on a letter from ATL dated June 7, 2004. The dilution factor for each analysis is provided on the laboratory report in the column labeled “DF.” The letter from ATL is provided with the laboratory reports in Appendix B.

5. DATA EVALUATION

5.1 Lead Distribution Analysis

The results of the analytical testing indicate that 90 soil samples exhibited a total lead concentration above the California disposal threshold of 350 mg/kg total lead content.

5.2 Statistical Evaluation Methods

The analytical laboratory results were evaluated statistically to examine the appropriate method of reuse or off-site disposal of the soils. Prior to performing the following calculations, analytical results reported as below the detection limit were assigned a value of one-half the detection limit. Statistical methods were applied to the lead data set collected adjacent to the site to evaluate: 1) if an acceptable correlation between total and soluble lead concentrations exists that would allow the prediction of soluble lead concentrations based on calculated UCLs; 2) the total lead data population distribution; and 3) the one-sided UCLs on the true means of the total lead concentrations for different soil mixing scenarios.

Statistical methods were also applied to the WET-DI and TCLP lead data sets to evaluate the one-sided UCLs on the true means of the soluble lead concentrations using these analytical methods.

The total lead and WET-Citric data was divided into the following subsets for evaluation of population distribution and correlation and regression analysis:

- Group 1 through Group 7 and Bridges 1 and 2 (Eastbound);
- Group 8 through Group 12 (Westbound);
- Data from each of the remaining bridges (Bridges 3-7) was analyzed independently.

Because there are an insufficient number of total lead VS. WET data points at Bridge 3 and Bridge 6 to generate an acceptable regression line, additional data from samples collected from borings in the vicinity of these locations was also used to develop regression analyses as follows:

- Bridge 3 – Borings 610-142, 610-143, 610-144, 610-241, and 610-242; and
- Bridge 6 – Borings 610-186, 610-281, and 610-282.

5.3 Data Correlation

A test for data correlation is used to verify the quality of the equation used to predict soluble lead concentrations. There should be a correlation coefficient ("r") of 0.8 or greater between total and soluble lead (WET-citric) analytical results. The correlation coefficients for all of the Groups and Bridges ranged from 0.8009 to 0.9974.

5.4 Regression Analysis

A linear regression analysis is necessary to create a soluble lead prediction model for use with the 90% and 95% UCLs. The model is created by plotting the total lead and soluble lead (WET-Citric) paired data points on a scatter plot chart. A linear regression line is then added to the chart using the equation:

$$y = mx + b$$

where:

y = *WET Citric result, mg/l*

x = *total lead result, mg/kg*

b = *the y-intercept*

$$m = Slope = \frac{r \times s_t}{s_s}$$

where:

r = *correlation coefficient*

s_t = *standard deviation of the total lead results*

s_s = *standard deviation of the soluble lead results*

The linear equation corresponding to the regression line is then used to predict a soluble lead concentration for the statistical total lead UCLs. The integrity of the equation is directly related to the correlation coefficient described in Section 5.3.

5.5 Population Distribution

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

conversion. If the mean was approximately equal to the variance, the data set was transformed using a square-root conversion.

5.6 Calculating the Upper Confidence Limits for the True Mean

Statistical confidence limits are the classical tool for addressing uncertainties of a distribution mean. The UCLs of the true mean concentration are used as the mean concentrations because it is not possible to know the true mean. The UCLs therefore account for uncertainties due to limited sampling data. As more data are available for a given site, uncertainty decreases and the UCLs move closer to the true mean.

A 90% UCL is desired if the soil is to be reused on-site and a 95% UCL is desired if the soil is to be disposed of offsite or relinquished to a contractor as described in Task Order No. 07-129411-3C. The maximum 90% UCL allowed for reuse of on-site soil is 3,397 mg/kg and the maximum 95% UCL allowed for disposal is 350 mg/kg. The one-sided 90% and 95% UCLs of the true mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of site data, equal or exceed the true mean 90% and 95% of the time, respectively. The following statistical equation (from *Chapter Nine, SW-846)* was used to calculate the UCLs:

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

Where:

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

For the purpose of this investigation, the samples were assumed to be collected using systematic random sampling. *Chapter Nine of SW-846* indicates that a statistical transformation should be used if the data set is not normally distributed, and statistical evaluations should be performed on the transformed scale. Based on calculation of the mean and variance of the data sets and visual interpretation of the data, the data sets should be transformed.

The mean was less than the variance for the non-transformed data indicating that the data set was not normally distributed and transformation was necessary. The raw data was transformed using the arcsine transformation. The arcsine transformation was accomplished by dividing each total lead result by the maximum concentration (this results in a data set of all numbers falling between 0 and 1),

calculating the arcsine of the quotient (y_i = arcsine(x_i/x_{max})), performing the statistical calculations on the transformed data, and finally re-converting the result to real numbers ($z_i = x_{max} \sin y_i$).

In order to evaluate different soil excavation scenarios, different UCLs were calculated. Data was divided into the following data sets:

- Total lead concentrations for soil samples collected from 0 to 0.15 meter (Data Set A);
- Total lead concentrations for soil samples collected from 0.15 to 0.3 meter (Data Set B);
- Total lead concentrations for soil samples collected from 0.45 to 0.6 meter (Data Set C); and
- Total lead concentrations for soil samples collected from 1.35 to 1.5 meters (Data Set D).

Using the data sets above, the following UCLs for the true means were calculated:

- UCL for the top 0.15 meter of soil (Data Set A) and the UCL for the underlying soil (Data Sets B, C, and D);
- UCL for the top 0.3 meter of soil (Data Sets A and B) and the UCL for the underlying soil (Data Sets C and D);
- UCL for the top 0.6 meter of soil (Data Sets A, B, and C) and the UCL for the underlying soil (Data Set D); and
- UCL for the entire 1.5 meters soil column (Data Sets A, B, C, and D).

Groups 1, 2, 6, and 12 were only divided into three data sets because no 1.5-meter samples were collected from those groups. For reference, tables summarizing the results of the 90% and 95% UCLs and predicted soluble lead concentrations are presented below along with reuse and disposal conditions. Additional soil excavation and mixing scenarios can be found on the block diagrams in Appendix C. In instances where the predicted soluble lead concentration was less than zero the results are stated as “less than” the detection limit. Where all analytical results were reported as less than the laboratory detection limit, the UCL was also reported as “less than” the detection limit.

90% UCL Lead Analysis and Soil Management Summary – Group 1

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.6	191.53	Yes	0.29	1

95% UCL Lead Analysis and Soil Management Summary – Group 1

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	538.65	46.99	2.02	No	Class I Hazardous
0.15-0.6	56.93	3.01		Yes	No Restrictions
0-0.6	212.36	17.20		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 2, Borings 127-129 (KP 20.5/20.7)

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.6	881.60	No	4.41	Potential RCRA Hazardous

95% UCL Lead Analysis and Soil Management Summary – Group 2, Borings 127-129 (KP 20.5/20.7)

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.6	966.55	86.06	16.16	No	Potential RCRA Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 2

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.6	78.24	Does Not Apply	0.47	No restrictions

95% UCL Lead Analysis and Soil Management Summary – Group 2

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	197.76	15.87	1.63	No	Class I Hazardous
0.15-0.6	15.98	<0.25		Yes	No Restrictions
0-0.6	84.56	5.53		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 3

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	326.16	Yes	0.30	1

95% UCL Lead Analysis and Soil Management Summary – Group 3

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.3	630.03	55.33	3.99	No	Class I Hazardous
0.3-1.5	46.25	2.03		Yes	No Restrictions
0-1.5	355.96	30.31		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 4

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	115.98	Yes	0.99	2

95% UCL Lead Analysis and Soil Management Summary – Group 4

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	351.85	29.93	2.03	No	Class I Hazardous
0.15-1.5	65.29	3.77		Yes	No Restrictions
0-1.5	125.16	9.24		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 5

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	174.54	Yes	0.29	1

95% UCL Lead Analysis and Soil Management Summary – Group 5

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	598.60	52.46	1.28	No	Class I Hazardous
0.15-1.5	33.70	0.89		Yes	No Restrictions
0-1.5	194.59	15.58		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 6

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.6	113.72	Yes	1.24	2

95% UCL Lead Analysis and Soil Management Summary – Group 6

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	278.50	23.24	0.65	No	Class I Hazardous
0.15-0.6	62.71	3.54		Yes	No Restrictions
0-0.6	123.08	9.05		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 7

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	76.22	Does Not Apply	0.39	No Restrictions

95% UCL Lead Analysis and Soil Management Summary – Group 7

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	206.65	16.68	0.37	No	Class I Hazardous
0.15-1.5	28.29	0.39		Yes	No Restrictions
0-1.5	81.80	5.28		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 8

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	473.00	No	0.55	Potential RCRA Hazardous

95% UCL Lead Analysis and Soil Management Summary – Group 8

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-1.5	500.14	39.62	14.90	No	Potential RCRA Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 9

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	192.33	Yes	0.42	1

95% UCL Lead Analysis and Soil Management Summary – Group 9

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-1.5	205.51	16.67	3.52	No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 10

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	490.85	No	0.47	Potential RCRA Hazardous

95% UCL Lead Analysis and Soil Management Summary – Group 10

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-1.5	529.06	41.88	10.41	No	Potential RCRA Hazardous

90% UCL Lead Analysis and Soil Management Summary – Bridge 6

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	117.52	Yes	<0.25	1

95% UCL Lead Analysis and Soil Management Summary – Bridge 6

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.30	183.67	12.80	0.66	No	Class I Hazardous
0.30-1.5	57.37	<0.25		Yes	No Restrictions
0-1.5	127.99	6.97		No	Class I Hazardous

90% UCL Lead Analysis and Soil Management Summary – Bridge 7

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	150.57	Yes	1.01	2

95% UCL Lead Analysis and Soil Management Summary – Bridge 7

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead (mg/l) 95% UCL	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.30	268.45	20.58	2.08	No	Class I Hazardous
0.30-1.5	54.92	0.19		Yes	No Restrictions
0-1.5	164.51	10.66		No	Class I Hazardous

6. CONCLUSIONS

A review of the histograms indicated that both the non-transformed total lead and arcsine transformed total lead data sets are skewed to the right. Based upon these observations, relative normality of the data sets cannot be determined. In addition, the mean is less than the variance for each data set; therefore, an arsine transformation was applied. Histograms, regression analysis charts of total lead VS. soluble lead, and 90% and 95% arcsine UCLs with corresponding soil excavation scenarios shown in block diagrams are presented as Appendix C. The correlation factors "r" were above the minimum requirement of 0.8. For reference, the regression analysis charts contain the equation for the regression

lines and the "r" values. Reuse conclusions were based upon comparison of the referenced 90% UCLs for each group to the DTSC Variance, AB 414, and the DTSC Variance modification letter dated December 13, 2002. Conclusions for surplus material and material relinquished to the contractor was based upon comparison of the total lead 95% transformed UCLs to the HSC disposal limit of 350 mg/kg, predicted WET-Citric results to the CCR Title 22 soluble lead threshold of 5.0 mg/l, and TCLP 95% UCLs to the RCRA threshold of 5.0 mg/l.

Analysis of selected soil samples for CCR Title 22 metals did not indicate the presence of any of these elements (other than lead) at or above their respective Total Threshold Limit Concentrations (TTLCs). Copper was reported in one sample at a total concentration of 260 mg/kg. Other than lead, this was the only metal reported at a total concentration greater than 10 times the respective Soluble Threshold Limit Concentration (STLCs).

Based upon the total metals results of two samples from each Group with the greatest total lead concentrations, other CCR Title 22 metals do not appear to be a concern; however, additional sampling and statistical analyses would be necessary to fully characterize the soil.

GROUP 1

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 0.6 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 2, Boring 610-127 to 610-129

Because of the occurrence of elevated lead concentrations isolated near boring 610-128, Group 2 was divided into two sections for soil handling purposes: One section, between borings 610-127 and 610-129 (KP 20.5/20.7), and the remainder of the Group (KP19.6/20.5 and 20.7/21.3).

Based on the TCLP 95% UCL data set, if any portion of the upper 0.6 m of soil is excavated from the area between borings 610-127 and 610-129 (KP 20.5/20.7), it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is

based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification.

GROUP 2, Remaining

Based upon the 90% UCLs for total lead and WET-DI for the remaining section of Group 2 (KP 19.6/20.5 and 20.7/21.3) could be reused on-site without restrictions. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 3

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 4

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

One sample (610-174-S) exhibited a total copper concentration greater than ten-time the STLC (260 mg/kg VS. a STLC of 25 mg/l). Because the sample was not analyzed for soluble copper by the WET

method it is unknown if the sample would be characterized as a hazardous material with respect to copper. Additional sampling for total and soluble copper is required to adequately assess the reusability of the soil.

GROUP 5

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 6

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 0.6 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 7

Based upon the 90% UCLs for total lead and WET-DI, if the entire soil column up to 1.5 m beneath the surface is treated as a single unit it may be reused on-site without restriction. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 8

Based on the TCLP 95% UCL data set, if any portion of the upper 1.5 m of soil is excavated, it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification.

GROUP 9

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if any portion of the upper 1.5 m of excavated soil is to be disposed of, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 10

Based on the TCLP 95% UCL data set, if any portion of the upper 1.5 m of soil is excavated, it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification.

GROUP 11

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 12

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 0.6 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 1

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.6 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the only sample analyzed from this group had a reported TCLP concentration of 0.47 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 2

Based upon the 90% and 95% arcsine transformed UCLs and 95% TCLP UCL, any portion of the upper 1.5 m of soil excavated is suitable for reuse or disposal without restriction.

BRIDGE 3

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 4

Based upon the 90% UCLs for total lead and WET-DI, if the entire soil column to a depth of up to 1.5 m beneath the surface is treated as a single unit it could be reused or disposed of without restriction. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 5

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.15 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to total and soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 6

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

BRIDGE 7

Based upon the 90% UCLs for total lead and WET-DI, all soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs for total lead and predicted WET-Citric results, if the upper 0.3 m of excavated soil is to be disposed of

separately, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the 95% UCL for TCLP was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

7. RECOMMENDATIONS

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

Geocon recommends that soil from each Group be managed as follows:

GROUP 1

If any portion of the upper 0.6 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m should be treated as non-hazardous. If the entire soil column to a depth of 0.6 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

GROUP 2, Borings 610-127 to 610-129

Due to the occurrence of elevated lead concentrations isolated near boring 610-128, Group 2 was divided into two sections for soil handling purposes: One section, between borings 610-127 and 610-129 (KP 20.5/20.7), and the remainder of the Group (KP19.6/20.5 and 20.7/21.3).

Based on the TCLP 95% UCL data set, if any portion of the upper 0.6 m of soil is excavated from the area between borings 610-127 and 610-128 (KP 20.5/20.7), it should be treated as both a California and RCRA hazardous material with respect to lead content and is unsuitable for reuse according to the DTSC variance. Ex-situ soil sampling and analyses for total lead and soluble lead (both WET and TCLP) should be performed prior to off-site disposal.

GROUP 2, Remaining

If the upper 0.6 m of soil from the remaining section of Group 2 (KP 19.6/20.5 and 20.7/21.3) is treated as a single unit it may be reused on-site without restriction. If the upper 0.15 m of excavated

soil is to be disposed of separately, it should be handled as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m should be treated as non-hazardous. If the entire soil column to a depth of 0.6 m is treated as a single unit for disposal, it should be handled as a California hazardous material with respect to soluble lead content.

GROUP 3

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.3 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to total and soluble lead.

GROUP 4

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a non- hazardous material with respect to soluble lead.

Additional sampling in the vicinity of boring 610-174 and analysis of total and soluble copper during construction is recommended prior to reuse. Soils containing total copper concentrations greater than 2,500 mg/kg or soluble copper concentrations greater than 25 mg/l would not be suitable for reuse.

GROUP 5

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

GROUP 6

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

GROUP 7

If the upper 1.5 m of soil is treated as a single unit it may be reused on-site without restriction. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

GROUP 8

Any portion of the upper 1.5 m of soil should be treated as both a California and RCRA hazardous material with respect to lead content and is unsuitable for reuse according to the DTSC variance. Ex-situ soil sampling and analyses for total lead and soluble lead (both WET and TCLP) should be performed prior to off-site disposal.

GROUP 9

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If any portion of the soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

GROUP 10

Any portion of the upper 1.5 m of soil should be treated as both a California and RCRA hazardous material with respect to lead content and is unsuitable for reuse according to the DTSC variance. Ex-situ soil sampling and analyses for total lead and soluble lead (both WET and TCLP) should be performed prior to off-site disposal.

GROUP 11

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in

accordance with the DTSC Variance. If the upper 0.3 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

GROUP 12

If any portion of the upper 0.6 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.3 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.6 m should be treated as non-hazardous. If the entire soil column to a depth of 0.6 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

BRIDGE 1

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.6 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to total and soluble lead.

BRIDGE 2

Any portion of the upper 1.5 m of soil excavated may be handled as a non-California hazardous material and is suitable for reuse or disposal without restriction.

BRIDGE 3

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

BRIDGE 4

If the upper 1.5 m of soil is treated as a single unit it may be reused on-site without restriction. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as non-hazardous.

BRIDGE 5

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to total and soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to total and soluble lead.

BRIDGE 6

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.3 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

BRIDGE 7

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a California hazardous material with respect to soluble lead.

8. REPORT LIMITATIONS

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

The conclusions and recommendations presented herein are based on a limited number of samples collected from in-place soil and from widely spaced locations according to Caltrans-prescribed protocol. The purpose of these sampling and characterization activities was to reasonably predict the character of soil to be disturbed for planned construction activities within the described limits of the Caltrans right-of-way. The disposition and handling of the soil are governed by the California regulations cited above. Although soil samples were analyzed using the TCLP for RCRA waste criteria, a comprehensive statistical characterization of the soil was beyond the scope of work of this task order.

It is possible that soil disturbed, excavated and stockpiled could exceed Federal standards for hazardous waste and may require handling as a RCRA waste. Conversely, additional characterization of individual groups may result in a non-RCRA classification.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The appropriate regulatory agency may require additional investigations. The findings and conclusions as presented in this report are predicated on the results of the limited soil sampling and laboratory analyses performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence, or consultation, either express or implied. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

TABLE I
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
Group 1								
610-101-S	0.15	1,200	----	----	5.6	7.39	34.0331598	-118.0258596
610-101-0.3	0.3	22	----	----	----	----		
610-101-0.6	0.6	6.7	----	----	----	----		
610-102-S	0.15	8.9	----	----	----	----	34.0328651	-118.0252221
610-102-0.3	0.3	48	----	----	----	----		
610-102-0.6	0.6	37	----	----	----	----		
610-103-S	0.15	250	19	<0.25	1.7	----	34.0322601	-118.0240956
610-103-0.3	0.3	30	----	----	----	----		
610-103-0.6	0.6	100	2.2	----	<0.25	----		
610-104-S	0.15	6.8	----	----	----	7.54	34.0313964	-118.0222854
610-104-0.3	0.3	20	----	----	----	----		
610-104-0.6	0.6	30	----	----	----	----		
610-105-S	0.15	7.1	----	----	----	----	34.0309268	-118.0212697
610-105-0.3	0.3	140	0.49	----	<0.25	----		
610-105-0.6	0.6	49	----	----	----	----		
610-106-S	0.15	170	14	0.43	0.79	----	34.0303116	-118.0199096
610-106-0.3	0.3	110	2.0	----	<0.25	----		
610-106-0.6	0.6	120	1.1	----	<0.25	----		
610-107-S	0.15	23	----	----	----	----	34.0299448	-118.0190904
610-107-0.3	0.3	15	----	----	----	8.66		
610-108-S	0.15	14	----	----	----	----	34.0295621	-118.0182223
610-108-0.3	0.3	11	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-108-0.6	0.6	7.8	----	----	----	----		
610-109-S	0.15	8.3	----	----	----	----	34.0291575	-118.0169685
610-109-0.3	0.3	8.0	----	----	----	----		
610-109-0.6	0.6	24	----	----	----	8.44		
610-110-S	0.15	1,800	----	----	0.59	----	34.0289264	-118.0160854
610-110-0.3	0.3	130	11	<0.25	<0.25	----		
610-110-0.6	0.6	110	7.4	<0.25	0.31	----		
610-111-S	0.15	170	12	<0.25	<0.25	----	34.0288905	-118.0152517
610-111-0.3	0.3	87	5.2	<0.25	<0.25	----		
610-111-0.6	0.6	23	----	----	----	----		
610-112-S	0.15	35	----	----	----	----	34.0288683	-118.0136341
610-112-0.3	0.3	20	----	----	----	----		
610-112-0.6	0.6	56	2.9	----	<0.25	----		
610-113-S	0.15	14	----	----	----	----	34.0288758	-118.0125469
610-113-0.3	0.3	8.2	----	----	----	----		
610-113-0.6	0.6	<5.0	----	----	----	----		
610-114-S	0.15	38	----	----	----	----	34.0288884	-118.011495
610-114-0.3	0.3	13	----	----	----	8.70		
610-114-0.6	0.6	20	----	----	----	----		
610-115-S	0.15	26	----	----	----	----	34.028642	-118.0121338
610-115-0.3	0.3	<5.0	----	----	----	----		
610-116-S	0.15	12	----	----	----	----		
610-116-0.3	0.3	<5.0	----	----	----	----	34.0288158	-118.0111196

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-116-0.6	0.6	<5.0	----	----	----	----		
610-117-S	0.15	18	----	----	----	----	34.0288618	-118.0101955
610-117-0.3	0.3	7.3	----	----	----	----		
610-117-0.6	0.6	8.1	----	----	----	----		
610-118-S	0.15	230	26	<0.25	0.58	----	34.0288604	-118.0091174
610-118-0.3	0.3	36	----	----	----	----		
610-118-0.6	0.6	9.2	----	----	----	----		
610-119-S	0.15	34	----	----	----	----	34.0288676	-118.0077318
610-119-0.3	0.3	43	----	----	----	8.13		
610-119-0.6	0.6	9.7	----	----	----	----		
Group 2								
610-120-S	0.15	100	8.6	0.27	2.2	----	34.0288687	-118.0066032
610-120-0.3	0.3	21	----	----	----	----		
610-120-0.6	0.6	<5.0	----	----	----	----		
610-121-S	0.15	45	----	----	----	----	34.0288215	-118.0054009
610-121-0.3	0.3	<5.0	----	----	----	----		
610-121-0.6	0.6	<5.0	----	----	----	----		
610-122-S	0.15	46	----	----	----	----	34.0287322	-118.0042916
610-122-0.3	0.3	5.7	----	----	----	----		
610-122-0.6	0.6	15	----	----	----	----		
610-123-S	0.15	18	----	----	----	8.25	34.0285933	-118.0031251
610-123-0.3	0.3	<5.0	----	----	----	----		
610-123-0.6	0.6	<5.0	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-124-S	0.15	46	----	----	----	----	34.0283186	-118.0016967
610-124-0.3	0.3	16	----	----	----	----		
610-124-0.6	0.6	<5.0	----	----	----	----		
610-125-S	0.15	63	6.4	<0.25	----	----	34.0280773	-118.000688
610-125-0.3	0.3	12	----	----	----	----		
610-125-0.6	0.6	8.3	----	----	----	----		
610-126-S	0.15	170	9.7	<0.25	0.26	----	34.0277579	-117.9995969
610-126-0.3	0.3	40	----	----	----	8.04		
610-126-0.6	0.6	<5.0	----	----	----	----		
610-127-S	0.15	1,400	----	----	7.6	----	34.027432	-117.9986918
610-127-0.3	0.3	210	2.6	----	<0.25	----		
610-127-0.6	0.6	7.0	----	----	----	----		
610-128-S	0.15	940	130	3.7	9.4	----	34.0270275	-117.9977157
610-128-0.3	0.3	190	68	3.4	12	----		
610-128-0.6	0.6	950	110	4.5	19	----		
610-129-S	0.15	740	91	3.9	4.3	----	34.0265014	-117.9966708
610-129-0.3	0.3	36	----	----	----	----		
610-129-0.6	0.6	10	----	----	----	8.72		
610-130-S	0.15	320	16	0.31	0.52	----	34.0259964	-117.9957513
610-130-0.3	0.3	26	----	----	----	----		
610-130-0.6	0.6	14	----	----	----	----		
610-131-S	0.15	160	17	0.31	0.61	----	34.0254514	-117.9948876
610-131-0.3	0.3	13	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-131-0.6	0.6	<5.0	----	----	----	----		
610-132-S	0.15	37	----	----	----	----	34.0248667	-117.9940467
610-132-0.3	0.3	11	----	----	----	----		
610-133-S	0.15	140	11	0.27	0.34	----	34.0242802	-117.9932422
610-133-0.3	0.3	<5.0	----	----	----	7.40		
610-134-S	0.15	350	22	0.73	1.2	----	34.0236471	-117.9924857
610-134-0.3	0.3	12	----	----	----	----		
610-135-S	0.15	230	24	<0.25	0.62	----		
610-135-0.3	0.3	7.8	----	----	----	----	34.0230477	-117.991844
610-135-0.6	0.6	8.5	----	----	----	----		
610-136-S	0.15	31	----	----	----	----	34.022783	-117.9915868
610-136-0.3	0.3	<5.0	----	----	----	----		
610-136-0.6	0.6	5.1	----	----	----	----		
610-137-S	0.15	7.7	----	----	----	----	34.022592	-117.9913973
610-137-0.3	0.3	20	----	----	----	7.79		
610-137-0.6	0.6	31	----	----	----	7.93		
Group 3								
610-138-S	0.15	93	12	<0.25	----	7.58	34.022473	-117.9912827
610-138-0.3	0.3	37	----	----	----	----		
610-138-0.6	0.6	45	----	----	----	7.90		
610-138-1.5	1.5	<5.0	----	----	----	8.20		
610-139-S	0.15	160	15	<0.25	0.49	----	34.0217985	-117.9906421
610-139-0.3	0.3	8.3	----	----	----	6.81		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-139-0.6	0.6	82	1.6	----	----	8.50		
610-139-1.5	1.5	25	----	----	----	----		
610-140-S	0.15	250	25	<0.25	0.68	----	34.0206661	-117.9895866
610-140-0.3	0.3	380	30	<0.25	0.72	----		
610-140-0.6	0.6	150	11	<0.25	0.34	----		
610-141-S	0.15	230	53	<0.25	1.3	----	34.0200125	-117.9889391
610-141-0.3	0.3	9.5	----	----	----	----		
610-141-0.6	0.6	<5.0	----	----	----	----		
610-142-S	0.15	<5.0	----	----	----	----	34.0213445	-117.9902607
610-142-0.3	0.3	<5.0	----	----	----	8.40		
610-142-0.6	0.6	<5.0	----	----	----	----		
610-142-1.5	1.5	<5.0	----	----	----	----		
610-143-S	0.15	690	60	<0.25	0.55	----	34.0207785	-117.9897845
610-143-0.3	0.3	13	----	----	----	----		
610-143-0.6	0.6	12	----	----	----	----		
610-144-S	0.15	52	4.4	----	----	----	34.0196293	-117.9888773
610-144-0.3	0.3	6.8	----	----	----	----		
610-144-0.6	0.6	7.0	----	----	----	----		
610-144-1.5	1.5	<5.0	----	----	----	----		
610-145-S	0.15	350	21	<0.25	1.5	8.43	34.0187936	-117.9878784
610-145-0.3	0.3	16	----	----	----	----		
610-145-0.6	0.6	14	----	----	----	----		
610-146-S	0.15	440	20	<0.25	0.81	----	34.0181558	-117.9873524

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-146-0.3	0.3	22	----	----	----	----		
610-146-0.6	0.6	8.5	----	----	----	----		
610-146-1.5	1.5	<5.0	----	----	----	----		
610-147-S	0.15	500	35	0.26	0.59	----	34.0172269	-117.9873571
610-147-0.3	0.3	18	----	----	----	----		
610-147-0.6	0.6	32	----	----	----	----		
610-147-1.5	1.5	8.1	----	----	----	----		
610-148-S	0.15	65	5.3	<0.25	----	----	34.0175139	-117.9883232
610-148-0.3	0.3	20	----	----	----	----		
610-148-0.6	0.6	10	----	----	----	----		
610-148-1.5	1.5	8.3	----	----	----	----		
610-149-S	0.15	110	8.5	<0.25	----	----	34.0170592	-117.9877252
610-149-0.3	0.3	32	----	----	----	----		
610-149-0.6	0.6	33	----	----	----	----		
610-149-1.5	1.5	<5.0	----	----	----	----		
610-150-S	0.15	4,100	----	----	14	----	34.0169647	-117.9869893
610-150-0.3	0.3	42	----	----	----	----		
610-150-0.6	0.6	29	----	----	----	----		
610-150-1.5	1.5	11	----	----	----	----		
610-151-S	0.15	800	63	0.88	2.9	----	34.0165797	-117.9857509
610-151-0.3	0.3	49	----	----	----	----		
610-151-0.6	0.6	19	----	----	----	----		
610-151-1.5	1.5	6.0	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-152-S	0.15	1,700	----	----	7.4	----	34.0162649	-117.9854291
610-152-0.3	0.3	77	5.6	<0.25	----	----		
610-152-0.6	0.6	63	1.3	----	----	----		
610-152-1.5	1.5	13	----	----	----	----		
610-153-S	0.15	1,000	----	----	1.4	----	34.0156386	-117.9848232
610-153-0.3	0.3	<5.0	----	----	----	----		
610-153-0.6	0.6	24	----	----	----	----		
610-153-1.5	1.5	150	6.1	<0.25	<0.25	----		
610-154-S	0.15	740	51	0.56	2.6	----	34.0149776	-117.9841711
610-154-0.3	0.3	11	----	----	----	----		
610-154-0.6	0.6	<5.0	----	----	----	----		
610-154-1.5	1.5	7.3	----	----	----	----		
610-155-S	0.15	900	83	0.30	1.5	----	34.0143327	-117.9835261
610-155-0.3	0.3	910	7.9	<0.25	0.44	8.09		
610-155-0.6	0.6	140	13	<0.25	0.63	----		
610-156-S	0.15	550	48	0.51	2.0	----	34.0136828	-117.9828559
610-156-0.3	0.3	170	15	<0.25	0.37	----		
610-156-0.6	0.6	35	----	----	----	----		
610-156-1.5	1.5	14	----	----	----	----		
610-157-S	0.15	380	27	0.29	2.0	----	34.012644	-117.9815383
610-157-0.3	0.3	25	----	----	----	----		
610-157-0.6	0.6	5.5	----	----	----	----		
610-158-S	0.15	43	----	----	----	----	34.0121121	-117.9807015

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-158-0.3	0.3	<5.0	----	----	----	8.11		
610-158-0.6	0.6	6.3	----	----	----	----		
610-159-S	0.15	220	16	<0.25	0.47	----	34.0115948	-117.9799062
610-159-0.3	0.3	61	2.1	----	----	----		
610-159-0.6	0.6	<5.0	----	----	----	----		
610-159-1.5	1.5	8.2	----	----	----	----		
610-160-S	0.15	130	9.5	<0.25	----	----	34.0110829	-117.978775
610-160-0.3	0.3	54	3.3	----	----	----		
610-160-0.6	0.6	7.7	----	----	----	----		
610-160-1.5	1.5	9.5	----	----	----	----		
Group 4								
610-161-S	0.15	41	----	----	----	----	34.0108248	-117.9778951
610-161-0.3	0.3	<5.0	----	----	----	----		
610-161-0.6	0.6	<5.0	----	----	----	----		
610-161-1.5	1.5	<5.0	----	----	----	7.24		
610-164-S	0.15	20	----	----	----	----	34.0091029	-117.9724054
610-164-0.3	0.3	7.8	----	----	----	----		
610-164-0.6	0.6	<5.0	----	----	----	----		
610-164-1.5	1.5	19	----	----	----	----		
610-165-S	0.15	31	----	----	----	----	34.0090522	-117.97219
610-165-0.3	0.3	8.6	----	----	----	----		
610-165-0.6	0.6	<5.0	----	----	----	----		
610-166-S	0.15	12	----	----	----	----	34.0089	-117.9717095

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-166-0.3	0.3	<5.0	----	----	----	----		
610-166-0.6	0.6	24	----	----	----	7.58		
610-166-1.5	1.5	<5.0	----	----	----	----		
610-167-S	0.15	140	38	0.91	0.95	----	34.0087297	-117.9711216
610-167-0.3	0.3	63	3.2	----	<0.25	----		
610-167-0.6	0.6	8.3	----	----	----	----		
610-167-1.5	1.5	5.5	----	----	----	----		
610-168-S	0.15	63	4.3	----	----	----	34.0086414	-117.9708275
610-168-0.3	0.3	9.0	----	----	----	----		
610-168-0.6	0.6	<5.0	----	----	----	----		
610-168-1.5	1.5	5.1	----	----	----	----		
610-169-S	0.15	220	8.8	0.53	0.43	7.26	34.0084405	-117.9701657
610-169-0.3	0.3	<5.0	----	----	----	----		
610-169-0.6	0.6	27	----	----	----	----		
610-169-1.5	1.5	<5.0	----	----	----	----		
610-170-S	0.15	290	32	0.40	0.84	----	34.0082776	-117.9694832
610-170-0.3	0.3	170	13	0.32	0.34	----		
610-170-0.6	0.6	39	----	----	----	----		
610-170-1.5	1.5	<5.0	----	----	----	----		
610-171-S	0.15	71	9.8	0.25	0.47	----	34.007915	-117.9683465
610-171-0.3	0.3	19	----	----	----	----		
610-171-0.6	0.6	25	----	----	----	8.90		
610-171-1.5	1.5	5.5	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-172-S	0.15	110	5.3	<0.25	<0.25	----	34.0071564	-117.9664929
610-172-0.3	0.3	68	0.76	----	<0.25	----		
610-172-0.6	0.6	20	----	----	----	----		
610-173-S	0.15	10	----	----	----	----	34.0063978	-117.9659464
610-173-0.3	0.3	8.3	----	----	----	----		
610-173-0.6	0.6	5.0	----	----	----	----		
610-173-1.5	1.5	<5.0	----	----	----	----		
610-174-S	0.15	890	130	2.0	5.4	----	34.0075203	-117.9671215
610-174-0.3	0.3	490	33	1.8	3.0	8.08		
610-174-0.6	0.6	200	20	0.76	1.7	----		
610-175-S	0.15	430	37	<0.25	0.44	----	34.007182	-117.9660028
610-175-0.3	0.3	18	----	----		----		
610-175-0.6	0.6	14	----	----	----	----		
610-176-S	0.15	150	12	0.28	0.28	----	34.0069437	-117.9653275
610-176-0.3	0.3	30	----	----	----	----		
610-176-0.6	0.6	110	5.8	0.27	<0.25	----		
610-177-S	0.15	97	9.1	0.31	0.29	----	34.0065754	-117.9657585
610-177-0.3	0.3	8.8	----	----	----	----		
610-177-0.6	0.6	<5.0	----	----	----	8.10		
610-177-1.5	1.5	9.1	----	----	----	----		
610-178-S	0.15	560	52	1.0	2.2	----	34.006296	-117.9657246
610-178-0.3	0.3	<5.0	----	----	----	----		
610-178-0.6	0.6	<5.0	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-178-1.5	1.5	43	----	----	----	----		
610-179-S	0.15	280	15	0.32	0.28	----	34.006014	-117.9653251
610-179-0.3	0.3	36	----	----	----	----		
610-179-0.6	0.6	<5.0	----	----	----	----		
610-179-1.5	1.5	<5.0	----	----	----	----		
610-180-S	0.15	33	----	----	----	6.83	34.0061759	-117.9649233
610-180-0.3	0.3	34	----	----	----	----		
610-180-0.6	0.6	<5.0	----	----	----	----		
610-180-1.5	1.5	<5.0	----	----	----	----		
Group 5								
610-181-S	0.15	280	24	0.27	0.82	----	34.0065621	-117.9640761
610-181-0.3	0.3	56	2.9	----	<0.25	----		
610-181-0.6	0.6	70	5.5	<0.25	0.38	----		
610-182-S	0.15	180	25	0.28	1.4	----	34.0063182	-117.9632323
610-182-0.3	0.3	9.1	----	----	----	----		
610-182-0.6	0.6	<5.0	----	----	----	8.87		
610-182-1.5	1.5	30	----	----	----	----		
610-183-S	0.15	760	57	0.32	1.5	----	34.0059815	-117.962157
610-183-0.3	0.3	27	----	----	----	----		
610-183-0.6	0.6	63	5.2	<0.25	<0.25	----		
610-184-S	0.15	<5.0	----	----	----	----	34.0050594	-117.9591746
610-184-0.3	0.3	<5.0	----	----	----	7.93		
610-184-0.6	0.6	<5.0	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-184-1.5	1.5	<5.0	----	----	----	----		
610-185-S	0.15	7.0	----	----	----	----	34.0050161	-117.9589772
610-185-0.3	0.3	<5.0	----	----	----	----		
610-185-0.6	0.6	9.2	----	----	----	----		
610-185-1.5	1.5	29	----	----	----	----		
610-186-S	0.15	530	34	<0.25	0.65	----	34.0047022	-117.957985
610-186-0.3	0.3	6.9	----	----	----	----		
610-186-0.6	0.6	32	----	----	----	----		
610-186-1.5	1.5	5.5	----	----	----	8.53		
610-187-S	0.15	34	----	----	----	----	34.0045973	-117.9576161
610-187-0.3	0.3	7.3	----	----	----	----		
610-187-0.6	0.6	<5.0	----	----	----	----		
610-187-1.5	1.5	11	----	----	----	8.04		
Group 6								
610-188-S	0.15	85	4.7	----	----	----	34.0013735	-117.9471237
610-188-0.3	0.3	140	11	<0.25	0.27	----		
610-188-0.6	0.6	5.6	----	----	----	----		
610-189-S	0.15	15	----	----	----	----	34.0011235	-117.9462324
610-189-0.3	0.3	8.9	----	----	----	----		
610-189-0.6	0.6	13	----	----	----	----		
610-190-S	0.15	130	9.7	<0.25	0.36	----	34.0008416	-117.945325
610-190-0.3	0.3	170	9.3	<0.25	0.43	8.07		
610-190-0.6	0.6	31	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-191-S	0.15	100	8.5	<0.25	----	----	34.0005368	-117.9443212
610-191-0.3	0.3	7.2	----	----	----	----		
610-191-0.6	0.6	5.3	----	----	----	----		
610-192-S	0.15	130	18	<0.25	0.76	----	34.0002918	-117.9435067
610-192-0.3	0.3	100	9.2	<0.25	----	----		
610-192-0.6	0.6	45	----	----	----	----		
610-193-S	0.15	140	12	<0.25	0.28	7.76	34.0000083	-117.9426015
610-193-0.3	0.3	17	----	----	----	----		
610-193-0.6	0.6	20	----	----	----	----		
610-194-S	0.15	150	17	0.40	0.58	----	33.9997403	-117.9416963
610-194-0.3	0.3	63	0.74	----	----	----		
610-194-0.6	0.6	37	----	----	----	----		
610-195-S	0.15	520	12	3.4	0.83	----	33.9994759	-117.9408568
610-195-0.3	0.3	40	----	----	----	----		
610-195-0.6	0.6	<5.0	----	----	----	7.74		
610-196-S	0.15	140	16	<0.25	<0.25	----	33.9991801	-117.9399439
610-196-0.3	0.3	24	----	----	----	----		
610-196-0.6	0.6	<5.0	----	----	----	----		
610-197-S	0.15	85	4.8	----	----	----	33.998856	-117.9389217
610-197-0.3	0.3	7.4	----	----	----	----		
610-197-0.6	0.6	<5.0	----	----	----	----		
610-198-S	0.15	130	6.1	<0.25	<0.25	----	33.9985818	-117.9380456
610-198-0.3	0.3	12	----	----	----	6.90		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-198-0.6	0.6	13	----	----	----	----		
Group 7								
610-199-S	0.15	210	15	<0.25	0.35	----	33.9980513	-117.936301
610-199-0.3	0.3	130	8.4	<0.25	<0.25	----		
610-199-0.6	0.6	13	----	----	----	----		
610-200-S	0.15	150	7.2	<0.25	0.26	----	33.9977267	-117.9352987
610-200-0.3	0.3	38	----	----	<0.25	----		
610-200-0.6	0.6	9.8	----	----	----	----		
610-201-S	0.15	95	6.2	<0.25	<0.25	----	33.9973108	-117.9337894
610-201-0.3	0.3	26	----	----	----	----		
610-201-0.6	0.6	24	----	----	----	----		
610-202-S	0.15	57	8.1	<0.25	<0.25	----	33.9971533	-117.9331288
610-202-0.3	0.3	9.7	----	----	----	----		
610-202-0.6	0.6	<5.0	----	----	----	----		
610-203-S	0.15	29	----	----	----	6.44	33.9973157	-117.9341648
610-203-0.3	0.3	13	----	----	----	----		
610-203-0.6	0.6	<5.0	----	----	----	----		
610-203-1.5	1.5	<5.0	----	----	----	----		
610-204-S	0.15	29	----	----	----	----	33.9970219	-117.9333453
610-204-0.3	0.3	17	----	----	----	----		
610-204-0.6	0.6	6.6	----	----	----	8.03		
610-204-1.5	1.5	6.8	----	----	----	----		
610-205-S	0.15	210	16	0.43	0.42	----	33.9962907	-117.9326833

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-205-0.3	0.3	8.1	----	----	----	----		
610-205-0.6	0.6	20	----	----	----	----		
610-205-1.5	1.5	10	----	----	----	----		
610-206-S	0.15	120	3.8	----	<0.25	----	33.995742	-117.9316424
610-206-0.3	0.3	5.2	----	----	----	----		
610-206-0.6	0.6	18	----	----	----	----		
610-206-1.5	1.5	10	----	----	----	----	33.9969124	-117.9320453
610-207-S	0.15	8.4	----	----	----	----		
610-207-0.3	0.3	<5.0	----	----	----	----		
610-207-0.6	0.6	21	----	----	----	----		
610-208-S	0.15	<5.0	----	----	----	----	33.9963827	-117.932292
610-208-0.3	0.3	<5.0	----	----	----	----		
610-208-0.6	0.6	<5.0	----	----	----	----		
610-209-S	0.15	10	----	----	----	----	33.9967821	-117.9318837
610-209-0.3	0.3	<5.0	----	----	----	----		
610-209-0.6	0.6	<5.0	----	----	----	----		
610-210-S	0.15	66	2.9	----	<0.25	7.10	33.9961235	-117.9316247
610-210-0.3	0.3	<5.0	----	----	----	----		
610-211-S	0.15	90	3.2	----	<0.25	----	33.996681	-117.930836
610-211-0.3	0.3	26	----	----	----	----		
610-211-0.6	0.6	<5.0	----	----	----	----		
610-212-S	0.15	210	13	0.32	<0.25	----	33.99656	-117.9297878
610-212-0.3	0.3	17		----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-212-0.6	0.6	12	----	----	----	----		
610-213-S	0.15	260	8.3	0.55	0.35	7.43	33.9964215	-117.9286374
610-213-0.3	0.3	24	----	----	----	----		
610-213-0.6	0.6	7.7	----	----	----	----		
610-214-S	0.15	29	----	----	----	----	33.9962572	-117.927661
610-214-0.3	0.3	23	----	----	----	----		
610-214-0.6	0.6	7.4	----	----	----	8.30		
610-215-S	0.15	470	28	0.61	0.70	7.09	33.9961443	-117.9266247
610-215-0.3	0.3	81	7.8	<0.25	0.25	----		
610-215-0.6	0.6	22	----	----	----	----		
610-216-S	0.15	210	13	<0.25	0.28	----	33.9960314	-117.9256818
610-216-0.3	0.3	26	----	----	----	----		
610-216-0.6	0.6	15	----	----	----	----		
Group 8								
610-217-S	0.15	220	14	<0.25	----	----	34.0293639	-118.0081827
610-217-0.3	0.3	31	----	----	----	----		
610-217-0.6	0.6	82	2.5	----	----	7.22		
610-218-S	0.15	200	22	<0.25	----	----	34.0293815	-118.0074534
610-218-0.3	0.3	87	6.3	<0.25	----	----		
610-218-0.6	0.6	25	----	----	----	----		
610-219-S	0.15	34	----	----	----	8.71	34.0294389	-118.0061912
610-219-0.3	0.3	24	----	----	----	----		
610-219-0.6	0.6	15	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-219-1.5	1.5	<5.0	----	----	----	----		
610-220-S	0.15	190	14	<0.25	----	----	34.0294003	-118.0058517
610-220-0.3	0.3	17	----	----	----	----		
610-220-0.6	0.6	28	----	----	----	----		
610-220-1.5	1.5	<5.0	----	----	----	----		
610-221-S	0.15	200	15	<0.25	----	----	34.0293926	-118.0056639
610-221-0.3	0.3	26	----	----	----	----		
610-221-0.6	0.6	13	----	----	----	----		
610-221-1.5	1.5	16	----	----	----	----		
610-222-S	0.15	82	5.7	<0.25	----	----	34.0293738	-118.0054425
610-222-0.3	0.3	12	----	----	----	----		
610-222-0.6	0.6	23	----	----	----	8.48		
610-222-1.5	1.5	46	----	----	----	----		
610-223-S	0.15	6.7	----	----	----	----	34.0293758	-118.0067132
610-223-0.3	0.3	30	----	----	----	----		
610-223-0.6	0.6	310	34	<0.25	----	----		
610-224-S	0.15	1,500	----	----	5.1	----	34.029215	-118.0041666
610-224-0.3	0.3	60	14	<0.25	----	----		
610-224-0.6	0.6	58	7.8	<0.25	----	----		
610-225-S	0.15	390	33	0.59	----	----	34.029079	-118.0031626
610-225-0.3	0.3	590	86	<0.25	11	----		
610-225-0.6	0.6	320	14	<0.25	----	8.82		
610-226-S	0.15	1,300	----	----	15	----	34.0288487	-118.002172

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-226-0.3	0.3	910	92	<0.25	8.9	----		
610-226-0.6	0.6	530	82	<0.25	5.1	----		
610-226-1.5	1.5	790	71	0.34	5.9	----		
610-227-S	0.15	1,300	----	----	11	----	34.0286221	-118.0011306
610-227-0.3	0.3	330	20	<0.25	----	----		
610-227-0.6	0.6	140	18	0.39	----	----		
610-228-S	0.15	1,500	----	----	14	----	34.0283938	-118.0002766
610-228-0.3	0.3	470	34	1.7	2.1	----		
610-228-0.6	0.6	570	59	0.52	4.8	----		
610-228-1.5	1.5	56	14	<0.25	----	7.84		
610-229-S	0.15	1,900	----	----	32	----	34.0280422	-117.9991703
610-229-0.3	0.3	680	76	0.84	6.7	----		
610-229-0.6	0.6	300	22	0.25	----	----		
610-229-1.5	1.5	<5.0	----	----	----	----		
610-230-S	0.15	1,200	----	----	6.2	7.79	34.0276685	-117.9981798
610-230-0.3	0.3	420	32	<0.25	0.59	----		
610-230-0.6	0.6	20	----	----	----	----		
610-231-S	0.15	2,400	----	----	12	----	34.0272634	-117.9972331
610-231-0.3	0.3	55	3.1	----	----	----		
610-231-0.6	0.6	83	3.3	----	----	----		
610-231-1.5	1.5	32	----	----	----	----		
610-232-S	0.15	160	7.8	<0.25	----	----	34.026729	-117.9961731
610-232-0.3	0.3	34	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-232-0.6	0.6	11	----	----	----	----		
610-232-1.5	1.5	24	----	----	----	----		
610-233-S	0.15	210	19	<0.25	----	----	34.0262696	-117.9953468
610-233-0.3	0.3	22	----	----	----	----		
610-233-0.6	0.6	25	----	----	----	8.76		
610-233-1.5	1.5	6.1	----	----	----	----		
610-234-S	0.15	310	19	<0.25	----	----	34.0257546	-117.9945102
610-234-0.3	0.3	24	----	----	----	----		
610-234-0.6	0.6	22	----	----	----	----		
610-235-S	0.15	730	69	<0.25	3.6	----	34.0251971	-117.9936957
610-235-0.3	0.3	250	19	<0.25	----	----		
610-235-0.6	0.6	43	----	----	----	----		
610-235-1.5	1.5	99	6.5	<0.25	----	----		
610-236-S	0.15	1,400	----	----	41	----	34.0246234	-117.9929734
610-236-0.3	0.3	370	27	<0.25	----	----		
610-236-0.6	0.6	160	14	<0.25	----	----		
610-236-1.5	1.5	380	34	0.29	1.9	----		
610-237-S	0.15	1,200	----	----	13	----	34.0239283	-117.992161
610-237-0.3	0.3	20	----	----	----	----		
610-237-0.6	0.6	6.3	----	----	----	----		
610-238-S	0.15	620	57	1.6	6.2	----	34.0232223	-117.9913975
610-238-0.3	0.3	190	17	0.42	----	----		
610-238-0.6	0.6	110	7.8	<0.25	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-238-1.5	1.5	200	12	0.40	----	----		
610-239-S	0.15	1,500	----	----	4.6	----	34.0225234	-117.9906966
610-239-0.3	0.3	180	56	2.6	----	----		
610-239-0.6	0.6	14	----	----	----	----		
610-239-1.5	1.5	160	6.2	<0.25	----	----		
610-240-S	0.15	3,800	----	----	21	----	34.0218761	-117.9900553
610-240-0.3	0.3	120	12	<0.25	----	8.72		
610-240-0.6	0.6	36	----	----	----	----		
610-240-1.5	1.5	420	39	0.44	2.6	----		
610-241-S	0.15	410	42	1.2	8.7	----	34.0211827	-117.9893069
610-241-0.3	0.3	260	15	0.39	----	----		
610-241-0.6	0.6	390	30	1.0	3.7	----		
610-241-1.5	1.5	54	2.0	----	----	8.75		
610-242-S	0.15	110	5.7	<0.25	----	----	34.020439	-117.9884066
610-242-0.3	0.3	130	4.3	----	----	----		
610-242-0.6	0.6	260	23	0.93	----	----		
610-243-S	0.15	1,100	----	----	2.9	----		
610-243-0.3	0.3	87	3.6	----	----	----	34.0211682	-117.9894041
610-243-0.6	0.6	140	19	0.30	----	8.03		
610-244-S	0.15	61	3.6	----	----	----	34.0201743	-117.9885077
610-244-0.3	0.3	<5.0	----	----	----	----		
610-244-0.6	0.6	<5.0	----	----	----	----		
610-244-1.5	1.5	<5.0	----	----	----	7.99		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
Group 9								
610-245-S	0.15	970	85	0.80	4.0	----	34.0193011	-117.9876764
610-245-0.3	0.3	93	15	0.26	----	----		
610-245-0.6	0.6	49	----	----	----	8.43		
610-245-1.5	1.5	96	4.5	----	----	----		
610-246-S	0.15	540	46	0.44	3.3	8.03	34.0188689	-117.9872665
610-246-0.3	0.3	9.5	----	----	----	----		
610-246-0.6	0.6	15	----	----	----	----		
610-246-1.5	1.5	<5.0	----	----	----	----		
610-247-S	0.15	94	22	0.26	----	----	34.0183164	-117.9867347
610-247-0.3	0.3	15	----	----	----	----		
610-247-0.6	0.6	<5.0	----	----	----	----		
610-247-1.5	1.5	62	2.7	----	----	----		
610-248-S	0.15	240	27	<0.25	<0.25	----	34.0178921	-117.9863214
610-248-0.3	0.3	21	----	----	----	----		
610-248-0.6	0.6	32	----	----	----	----		
610-248-1.5	1.5	61	4.3	----	----	----		
610-249-S	0.15	84	4.8	----	----	----	34.0191785	-117.9868909
610-249-0.3	0.3	9.7	----	----	----	----		
610-249-0.6	0.6	5.5	----	----	----	7.43		
610-249-1.5	1.5	<5.0	----	----	----	----		
610-250-S	0.15	83	6.7	<0.25	----	----	34.0188067	-117.9868737
610-250-0.3	0.3	<5.0	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-250-0.6	0.6	5.9	----	----	----	----		
610-250-1.5	1.5	9.2	----	----	----	----		
610-251-S	0.15	84	9.1	<0.25	----	----	34.0180275	-117.9862833
610-251-0.3	0.3	13	----	----	----	----		
610-251-0.6	0.6	21	----	----	----	----		
610-252-S	0.15	300	43	<0.25	1.1	----	34.0173529	-117.9857521
610-252-0.3	0.3	34	----	----	----	----		
610-252-0.6	0.6	440	23	<0.25	1.4	----		
610-252-1.5	1.5	16	----	----	----	8.05		
610-253-S	0.15	330	37	<0.25	2.9	----	34.0166747	-117.9851714
610-253-0.3	0.3	95	8.0	<0.25	----	----		
610-253-0.6	0.6	<5.0	----	----	----	----		
610-253-1.5	1.5	13	----	----	----	----		
610-254-S	0.15	5.5	----	----	----	8.36	34.0160155	-117.9845469
610-254-0.3	0.3	13	----	----	----	----		
610-254-0.6	0.6	<5.0	----	----	----	----		
610-255-S	0.15	700	49	<0.25	0.77	----	34.0154588	-117.9840144
610-255-0.3	0.3	82	9.3	<0.25	----	----		
610-255-0.6	0.6	180	21	<0.25	0.49	----		
610-256-S	0.15	290	31	<0.25	3.0	----	34.0145454	-117.9831447
610-256-0.3	0.3	230	23	<0.25	2.9	----		
610-256-0.6	0.6	170	3.3	---	<0.25	----		
610-256-1.5	1.5	65	6.2	<0.25	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-257-S	0.15	110	12	<0.25	----	7.32	34.013908	-117.9824922
610-257-0.3	0.3	110	14	<0.25	----	----		
610-257-0.6	0.6	56	1.9	----	----	----		
610-258-S	0.15	190	40	<0.25	1.6	----	34.0133127	-117.981767
610-258-0.3	0.3	62	7.0	<0.25	----	----		
610-258-0.6	0.6	<5.0	----	----	----	----		
610-258-1.5	1.5	66	3.2	----	----	----		
610-259-S	0.15	83	17	0.54	----	----	34.0127635	-117.9810035
610-259-0.3	0.3	20	----	----	----	----		
610-259-0.6	0.6	13	----	----	----	----		
610-259-1.5	1.5	26	----	----	----	----		
610-260-S	0.15	1,200	----	---	4.9	----	34.0123204	-117.9802534
610-260-0.3	0.3	15	----	---	----	9.14		
610-260-0.6	0.6	140	22	<0.25	2.2	----		
610-261-S	0.15	650	62	1.8	6.9	----	34.0118612	-117.9793573
610-261-0.3	0.3	21	----	----	----	----		
610-261-0.6	0.6	<5.0	----	----	----	----		
610-261-1.5	1.5	70	4.3	----	----	----		
610-262-S	0.15	39	----	----	----	----	34.0114694	-117.978462
610-262-0.3	0.3	200	5.9	<0.25	1.2	----		
610-262-0.6	0.6	14	----	----	----	----		
610-262-1.5	1.5	180	16	<0.25	2.0	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
Group 10								
610-263-S	0.15	710	74	0.62	8.6	----	34.011126	-117.9774401
610-263-0.3	0.3	76	17	<0.25	----	----		
610-263-0.6	0.6	35	----	----	----	----		
610-263-1.5	1.5	9.9	----	----	----	7.45		
610-264-S	0.15	170	2.9	----	----	----	34.0107721	-117.976329
610-264-0.3	0.3	61	2.0	----	----	----		
610-264-0.6	0.6	49	----	----	----	8.08		
610-265-S	0.15	200	13	<0.25	----	----	34.0104732	-117.9753588
610-265-0.3	0.3	19	----	----	----	----		
610-265-0.6	0.6	120	0.77	----	----	----		
610-265-1.5	1.5	<5.0	----	----	----	----		
610-266-S	0.15	65	5.5	<0.25	----	----	34.0101416	-117.9742692
610-266-0.3	0.3	70	5.5	<0.25	----	----		
610-266-0.6	0.6	16	----	----	----	----		
610-267-S	0.15	1,400	----	----	14	----	34.0098675	-117.9733527
610-267-0.3	0.3	100	7.0	<0.25	----	----		
610-267-0.6	0.6	12	----	----	----	----		
610-267-1.5	1.5	87	5.5	<0.25	----	8.24		
610-268-S	0.15	11	----	----	----	----	34.0095669	-117.9724093
610-268-0.3	0.3	<5.0	----	----	----	----		
610-268-0.6	0.6	10	----	----	----	----		
610-268-1.5	1.5	9.7	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-269-S	0.15	1,100	----	----	4.5	8.20	34.0092542	-117.9713351
610-269-0.3	0.3	330	26	0.27	1.1	----		
610-269-0.6	0.6	120	17	<0.25	----	----		
610-270-S	0.15	2,000	----	----	16	----	34.0089314	-117.9703521
610-270-0.3	0.3	660	55	0.93	4.9	----		
610-271-S	0.15	210	21	0.26	----	----	34.0086728	-117.969288
610-271-0.3	0.3	98	4.7	----	----	----		
610-271-0.6	0.6	11	----	----	----	----		
610-272-S	0.15	1,300	----	----	2.0	----	34.0083957	-117.9682995
610-272-0.3	0.3	15	----	----	----	----		
610-272-0.6	0.6	33	----	----	----	----		
610-272-1.5	1.5	5.8	----	----	----	----		
610-273-S	0.15	2,100	----	----	6.8	----	34.0081689	-117.9675408
610-273-0.3	0.3	560	<0.25	----	3.5	----		
610-273-0.6	0.6	110	<0.25	----	----	----		
610-273-1.5	1.5	70	<0.25	----	----	9.14		
610-274-S	0.15	310	<0.25	----	1.9	----	34.0079786	-117.9668429
610-274-0.3	0.3	150	<0.25	----	----	----		
610-274-0.6	0.6	57	<0.25	----	----	----		
610-275-S	0.15	840	1.3	----	3.7	----	34.0074996	-117.9648895
610-275-0.3	0.3	140	<0.25	----	----	----		
610-275-0.6	0.6	200	<0.25	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
Group 11								
610-276-S	0.15	310	20	<0.25	0.36	----	34.0077543	-117.9637797
610-276-0.3	0.3	23	----	----	----	----		
610-276-0.6	0.6	21	----	----	----	----		
610-276-1.5	1.5	21	----	----	----	----		
610-277-S	0.15	210	17	<0.25	0.87	----	34.0074062	-117.9629546
610-277-0.3	0.3	42	----	----	----	----		
610-277-0.6	0.6	24	----	----	----	----		
610-278-S	0.15	240	21	0.26	0.92	----	34.0070545	-117.9630624
610-278-0.3	0.3	68	4.0	----	----	----		
610-279-S	0.15	880	2.2	----	2.1	----	34.0068737	-117.9634895
610-279-0.3	0.3	190	<0.25	----	1.0	----		
610-279-0.6	0.6	76	<0.25	----	----	----		
610-280-S	0.15	560	39	<0.25	1.2	----	34.0054698	-117.9590073
610-280-0.3	0.3	5.5	----	----	----	----		
610-280-0.6	0.6	8.3	----	----	----	----		
610-280-1.5	1.5	<5.0	----	----	----	6.94		
610-281-S	0.15	150	15	<0.25	----	----	34.0053253	-117.9585365
610-281-0.3	0.3	<5.0	----	----	----	----		
610-281-0.6	0.6	<5.0	----	----	----	----		
610-281-1.5	1.5	<5.0	----	----	----	9.26		
610-282-S	0.15	550	74	<0.25	5.0	----	34.0051196	-117.9578764
610-282-0.3	0.3	110	12	<0.25	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-282-0.6	0.6	25	----	----	----	----		
610-282-1.5	1.5	6.3	----	----	----	8.46		
610-283-S	0.15	61	5.4	<0.25	----	----	34.0049851	-117.9574095
610-283-0.3	0.3	100	11	<0.25	----	----		
610-283-0.6	0.6	<5.0	----	----	----	----		
610-283-1.5	1.5	<5.0	----	----	----	7.90		
Group 12								
610-284-S	0.15	350	21	<0.25	0.54	----	34.001751	-117.9468699
610-284-0.3	0.3	76	3.5	----	----	----		
610-284-0.6	0.6	77	4.3	----	----	----		
610-285-S	0.15	440	30	<0.25	0.60	7.95	34.0014551	-117.945924
610-286-S	0.15	370	27	<0.25	0.79	7.57	34.0011065	-117.94479
610-286-0.3	0.3	75	1.3	----	----	----		
610-286-0.6	0.6	35	----	----	----	----		
610-287-S	0.15	570	36	<0.25	0.51	----	34.000817	-117.9438207
610-287-0.3	0.3	36	----	----	----	----		
610-287-0.6	0.6	19	----	----	----	----		
610-288-S	0.15	69	4.3	----	----	----	34.0005558	-117.9429472
610-288-0.3	0.3	99	5.3	<0.25	----	----		
610-288-0.6	0.6	10	----	----	----	----		
610-289-S	0.15	100	9.6	<0.25	----	----	34.000212	-117.9418073
610-289-0.3	0.3	58	2.9	----	----	----		
610-289-0.6	0.6	7.9	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-290-S	0.15	100	4.4	----	----	----	33.9999211	-117.9408322
610-290-0.3	0.3	100	6.5	<0.25	----	----		
610-290-0.6	0.6	37	----	----	----	7.30		
610-291-S	0.15	360	33	<0.25	3.0	----	33.9996143	-117.9399074
610-291-0.3	0.3	14	----	----	----	----		
610-291-0.6	0.6	24	----	----	----	----		
610-292-S	0.15	340	24	<0.25	0.61	----	33.9993268	-117.938955
610-292-0.3	0.3	79	4.7	----	----	----		
610-292-0.6	0.6	7.1	----	----	----	----		
610-293-S	0.15	350	25	<0.25	0.63	8.01	33.9990469	-117.9379995
610-293-0.3	0.3	37	----	----	----	----		
610-294-S	0.15	340	44	<0.25	1.1	----	33.9987653	-117.9370399
610-294-0.3	0.3	430	38	<0.25	1.8	----		
610-294-0.6	0.6	37	----	----	----	----		
610-295-S	0.15	410	32	<0.25	0.90	----	33.9984627	-117.9359867
610-295-0.3	0.3	160	17	0.29	----	----		
610-295-0.6	0.6	42	----	----	----	7.68		
610-296-S	0.15	280	24	0.28	0.86	----	33.9981813	-117.9350316
610-296-0.3	0.3	850	61	<0.25	1.3	----		
610-296-0.6	0.6	69	4.0	----	----	----		
610-297-S	0.15	550	52	<0.25	0.86	----	33.9979557	-117.9341237
610-297-0.3	0.3	81	2.2	----	----	----		
610-297-0.6	0.6	<5.0	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-298-S	0.15	46	----	----	----	----	33.9976957	-117.9330516
610-298-0.3	0.3	8.0	----	----	----	6.84		
610-298-0.6	0.6	5.4	----	----	----	----		
610-299-S	0.15	130	9.1	<0.25	----	----	33.9975636	-117.9316643
610-299-0.3	0.3	75	0.40	----	----	----		
610-299-0.6	0.6	29	----	----	----	----		
610-300-S	0.15	490	37	<0.25	1.4	----	33.9978274	-117.9313184
610-300-0.3	0.3	19	----	----	----	----		
610-300-0.6	0.6	8.1	----	----	----	----		
610-301-S	0.15	41	----	----	----	----	33.99781	-117.9306903
610-301-0.3	0.3	11	----	----	----	----		
610-301-0.6	0.6	8.9	----	----	----	----		
610-302-S	0.15	120	8.2	<0.25	----	----	33.9979433	-117.9302724
610-302-0.3	0.3	<5.0	----	----	----	----		
610-302-0.6	0.6	46	----	----	----	----		
610-303-S	0.15	66	2.8	----	----	6.01	33.9973889	-117.9299512
610-303-0.3	0.3	32	----	----	----	----		
610-303-0.6	0.6	19	----	----	----	----		
610-304-S	0.15	150	9.3	<0.25	----	----	33.9970915	-117.9302606
610-304-0.3	0.3	24	----	----	----	----		
610-304-0.6	0.6	24	----	----	----	----		
610-305-S	0.15	240	36	<0.25	0.77	----	33.9969813	-117.9299222
610-305-0.3	0.3	66	9.7	<0.25	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-305-0.6	0.6	30	----	----	----	----		
610-306-S	0.15	500	37	<0.25	1.2	----	33.9967784	-117.9282198
610-306-0.3	0.3	10	----	----	----	----		
610-306-0.6	0.6	7.3	----	----	----	----		
610-307-S	0.15	38	----	----	----	----	33.997757	-117.9296152
610-307-0.3	0.3	43	----	----	----	----		
610-307-0.6	0.6	6.6	----	----	----	----		
610-308-S	0.15	130	8.3	<0.25	----	----	33.9972254	-117.929175
610-308-0.3	0.3	17	----	----	----	----		
610-309-S	0.15	300	18	<0.25	0.36	----	33.9968009	-117.9278129
610-309-0.3	0.3	31	----	----	----	----		
610-309-0.6	0.6	13	----	----	----	----		
610-310-S	0.15	670	59	0.26	1.4	----	33.9966761	-117.9271829
610-310-0.3	0.3	360	19	<0.25	0.71	7.28		
Bridge 1								
610-311-S	0.15	12	----	----	----	----	34.0316727	-118.0228331
610-311-0.3	0.3	8.5	----	----	----	8.16		
610-311-0.6	0.6	12	----	----	----	----		
610-311-1.5	1.5	15	----	----	----	----		
610-312-S	0.15	870	62	1.0	2.0	8.22	34.0318236	-118.0219282
610-312-0.3	0.3	370	40	0.35	0.78	8.30		
610-312-0.6	0.6	90	5.1	<0.25	<0.25	----		
610-312-1.5	1.5	11	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-313-S	0.15	190	12	<0.25	0.47	----	34.0320643	-118.0236824
610-313-0.3	0.3	12	----	----	----	----		
610-313-0.6	0.6	5.5	----	----	----	----		
610-313-1.5	1.5	15	----	----	----	----		
610-314-S	0.15	130	7.9	<0.25	0.40	----	34.0321642	-118.0226022
610-314-0.3	0.3	9.7	----	----	----	----		
610-314-0.6	0.6	6.2	----	----	----	8.00		
610-314-1.5	1.5	<5.0	----	----	----	----		
Note: Results form borings 610-312 and 610-314 not used in statistics.								
Bridge 2								
610-315-S	0.15	30	----	----	<0.25	8.29	34.0306338	-118.0205709
610-315-0.3	0.3	6.9	----	----	----	----		
610-315-0.6	0.6	<5.0	----	----	----	----		
610-315-1.5	1.5	<5.0	----	----	----	----		
610-316-S	0.15	70	4.3	----	<0.25	8.05	34.0305911	-118.0205021
610-316-0.3	0.3	27	----	----	<0.25	----		
610-316-0.6	0.6	35	----	----	<0.25	8.43		
610-317-S	0.15	26	----	----	----	----	34.0304277	-118.0201251
610-317-0.3	0.3	5.4	----	----	----	----		
610-317-0.6	0.6	5.7	----	----	----	----		
610-317-1.5	1.5	11	----	----	----	----		
610-318-S	0.15	17	----	----	----	7.36	34.0303763	-118.0200201
610-318-0.3	0.3	13	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-318-0.6	0.6	6.2	----	----	----	----		
Bridge 3								
610-319-S	0.15	510	35	0.34	2.1	8.46	34.0194177	-117.987792
610-319-0.3	0.3	24	----	----	----	----		
610-319-0.6	0.6	38	----	----	<0.25	----		
610-319-1.5	1.5	<5.0	----	----	----	----		
610-320-S	0.15	31	----	----	----	8.55	34.019004	-117.9880491
610-320-0.3	0.3	<5.0	----	----	----	----		
610-320-0.6	0.6	<5.0	----	----	----	----		
610-320-1.5	1.5	12	----	----	----	----		
610-321-S	0.15	29	----	----	----	----	34.0199015	-117.9882655
610-321-0.3	0.3	29	----	----	----	----		
610-321-0.6	0.6	22	----	----	----	8.91		
610-321-1.5	1.5	32	----	----	----	----		
610-322-S	0.15	100	8.4	<0.25	0.26	----	34.0195488	-117.988499
610-322-0.3	0.3	45	----	----	2.7	----		
610-322-0.6	0.6	<5.0	----	----	----	----		
610-322-1.5	1.5	<5.0	----	----	----	7.77		
Bridge 4								
610-323-S	0.15	52	3.5	----	<0.25	----	34.0112066	-117.9776911
610-323-0.3	0.3	<5.0	----	----	----	----		
610-323-0.6	0.6	<5.0	----	----	----	----		
610-323-1.5	1.5	30	----	----	<0.25	7.60		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-324-S	0.15	77	5.0	----	<0.25	----	34.0108512	-117.9780191
610-324-0.3	0.3	14	----	----	----	----		
610-324-0.6	0.6	<5.0	----	----	----	----		
610-324-1.5	1.5	<5.0	----	----	----	8.18		
610-325-S	0.15	140	7.8	<0.25	<0.25	----	34.0113917	-117.9782334
610-325-0.3	0.3	<5.0	----	----	----	----		
610-325-0.6	0.6	<5.0	----	----	----	----		
610-325-1.5	1.5	<5.0	----	----	----	7.87		
610-326-S	0.15	30	----	----	----	----	34.011002	-117.9784032
610-326-0.3	0.3	<5.0	----	----	----	----		
610-326-0.6	0.6	10	----	----	----	----		
610-326-1.5	1.5	6.9	----	----	----	7.57		
Bridge 5								
610-327-S	0.15	840	87	1.8	1.6	----	34.0070503	-117.9640182
610-327-0.3	0.3	30	----	----	----	----		
610-327-0.6	0.6	80	6.7	<0.25	----	----		
610-328-S	0.15	300	22	0.51	0.71	7.69	34.0065918	-117.9641684
610-328-0.3	0.3	23	----	----	----	----		
610-328-0.6	0.6	<5.0	----	----	----	----		
610-328-1.5	1.5	30	----	----	----	----		
610-329-S	0.15	1,400	----	----	2.0	7.16	34.0072135	-117.9645577
610-329-0.3	0.3	30	----	----	----	----		
610-329-0.6	0.6	81	4.6	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-329-1.5	1.5	89	3.4	----	----	----		
610-330-S	0.15	230	12	<0.25	0.31	7.45	34.0067459	-117.9647167
610-330-0.3	0.3	40	----	----	----	----		
610-330-0.6	0.6	27	----	----	----	8.56		
Bridge 6								
610-331-S	0.15	6.2	----	----	----	----	34.0051666	-117.9580587
610-331-0.3	0.3	140	0.37	----	<0.25	----		
610-331-0.6	0.6	23	----	----	----	----		
610-332-S	0.15	12	----	----	----	7.43	34.004761	-117.9581841
610-332-0.3	0.3	160	1.5	----	<0.25	----		
610-332-0.6	0.6	75	3.0	----	----	----		
610-333-S	0.15	210	17	<0.25	0.66	----	34.0052712	-117.958376
610-333-0.3	0.3	220	15	<0.25	0.57	8.23		
610-333-0.6	0.6	<5.0	----	----	----	----		
610-333-1.5	1.5	6.8	----	----	----	----		
610-334-S	0.15	35	----	----	----	----	34.0049296	-117.9587086
610-334-0.3	0.3	27	----	----	----	8.50		
610-334-0.6	0.6	10	----	----	----	----		
610-334-1.5	1.5	14	----	----	----	8.17		
Bridge 7								
610-335-S	0.15	260	9.7	0.27	1.4	----	33.9986401	-117.9366034
610-335-0.3	0.3	270	27	1.2	2.1	7.85		
610-335-0.6	0.6	32	----	----	----	----		

TABLE I (continued)
SUMMARY OF TOTAL LEAD, WET-CITRIC, WET-DI, TCLP AND pH
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420 (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
610-335-1.5	1.5	9.3	----	----	----	7.58		
610-336-S	0.15	170	7.7	<0.25	0.39	----	33.9980807	-117.9363926
610-336-0.3	0.3	19	----	----	----	----		
610-336-0.6	0.6	19	----	----	----	----		
610-336-1.5	1.5	22	----	----	----	----		
610-337-S	0.15	340	31	0.81	1.1	----	33.9987457	-117.9369564
610-337-0.3	0.3	110	4.6	----	----	8.13		
610-337-0.6	0.6	86	7.7	0.32	----	----		
610-337-1.5	1.5	8.6	----	----	----	7.78		
610-338-S	0.15	18	----	----	----	----	33.9981381	-117.9365627
610-338-0.3	0.3	12	----	----	----	----		
610-338-0.6	0.6	6.6	----	----	----	----		
610-338-1.5	1.5	12	----	----	----	----		

Notes:

m	=	meters
mg/kg	=	milligrams per kilogram
mg/l	=	milligrams per liter
<	=	Not detected at or above the indicated laboratory detection limits.
TCLP	=	Toxicity Characteristic Leaching Procedure
EPA	=	United States Environmental Protection Agency
---	=	analysis not performed

TABLE II
SUMMARY OF METALS RESULTS
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.8	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Group 1																	
610-101-S	<1.0	<1.0	140	<1.0	<1.0	25	7.3	69	1,100	<0.10	2.6	19	<1.0	<1.0	<1.0	28	330
610-110-S	2.1	<1.0	180	<1.0	2.1	37	6.9	170	620	0.25	8.3	31	<1.0	<1.0	<1.0	25	510
Group 2																	
610-127-S	<1.0	<1.0	100	<1.0	<1.0	22	5.7	110	1,600	0.11	2.1	16	<1.0	<1.0	<1.0	21	350
610-128-S	<1.0	<1.0	83	<1.0	<1.0	27	5.8	50	1,100	<0.10	2.1	18	<1.0	<1.0	<1.0	22	220
Group 3																	
610-150-S	15	18	120	<1.0	1.1	20	11	32	2,500	0.12	1.9	19	<1.0	<1.0	<1.0	30	170
610-152-S	8.2	9.9	170	<1.0	1.1	35	7.1	92	2,000	0.10	4.2	24	<1.0	<1.0	<1.0	27	370
Group 4																	
610-174-S	5.8	<1.0	110	<1.0	1.9	33	5.7	260	1,500	0.11	12	23	<1.0	<1.0	<1.0	26	380
610-178-S	<1.0	<1.0	89	<1.0	<1.0	19	5.8	36	550	<0.10	1.4	12	<1.0	<1.0	<1.0	24	280
Group 5																	
610-183-S	<1.0	7.6	120	<1.0	<1.0	22	7.4	56	790	<0.10	2.5	19	<1.0	<1.0	<1.0	31	200
610-186-S	<1.0	5.0	100	<1.0	<1.0	17	6.1	47	560	<0.10	2.6	15	<1.0	<1.0	<1.0	25	160
Group 6																	
610-190-0.3	<1.0	7.2	130	<1.0	<1.0	21	8.8	33	290	<0.10	1.7	20	<1.0	<1.0	<1.0	33	120
610-195-S	1.4	6.3	210	<1.0	1.8	33	7.3	110	400	0.15	6.9	26	<1.0	<1.0	<1.0	30	430

TABLE II (continued)
SUMMARY OF METALS RESULTS
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.8	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Group 7																	
610-213-S	<1.0	4.5	100	<1.0	<1.0	17	6.7	28	280	<0.10	2.2	15	<1.0	<1.0	<1.0	33	110
610-215-S	<1.0	5.5	140	<1.0	<1.0	24	7.7	62	830	<0.10	3.9	22	<1.0	<1.0	<1.0	35	220
Group 8																	
610-231-S	8.6	13	100	<1.0	<1.0	25	9.1	63	2,400	<0.10	2.0	20	<1.0	<1.0	<1.0	29	220
610-240-S	19	12	170	<1.0	1.3	27	7.8	69	4,400	0.14	2.4	19	<1.0	<1.0	<1.0	27	320
Group 9																	
610-245-S	<1.0	<1.0	120	<1.0	1.1	26	7.8	65	1,000	0.11	2.3	17	<1.0	<1.0	<1.0	30	470
610-260-S	<1.0	<1.0	97	<1.0	<1.0	19	6.4	76	1,600	<0.10	1.8	14	<1.0	<1.0	<1.0	25	250
Group 10																	
610-270-S	<1.0	7.4	120	<1.0	<1.0	22	7.0	64	2,600	0.10	2.0	15	<1.0	<1.0	<1.0	31	240
610-273-S	<1.0	5.9	140	<1.0	1.0	30	7.3	84	2,400	<0.10	4.3	23	<1.0	<1.0	<1.0	26	400
Group 11																	
610-279-S	<1.0	5.5	120	<1.0	<1.0	24	7.4	51	1,000	0.19	2.3	18	<1.0	<1.0	<1.0	29	310
610-280-S	<1.0	5.9	200	<1.0	<1.0	30	7.5	140	470	0.11	5.6	27	<1.0	<1.0	<1.0	28	440
Group 12																	
610-296-0.3	<1.0	5.8	160	<1.0	2.0	41	8.0	54	810	0.11	3.2	26	<1.0	<1.0	<1.0	36	240
610-310-S	<1.0	6.4	130	<1.0	<1.0	21	6.7	60	1,100	<0.10	3.0	19	<1.0	<1.0	<1.0	28	240

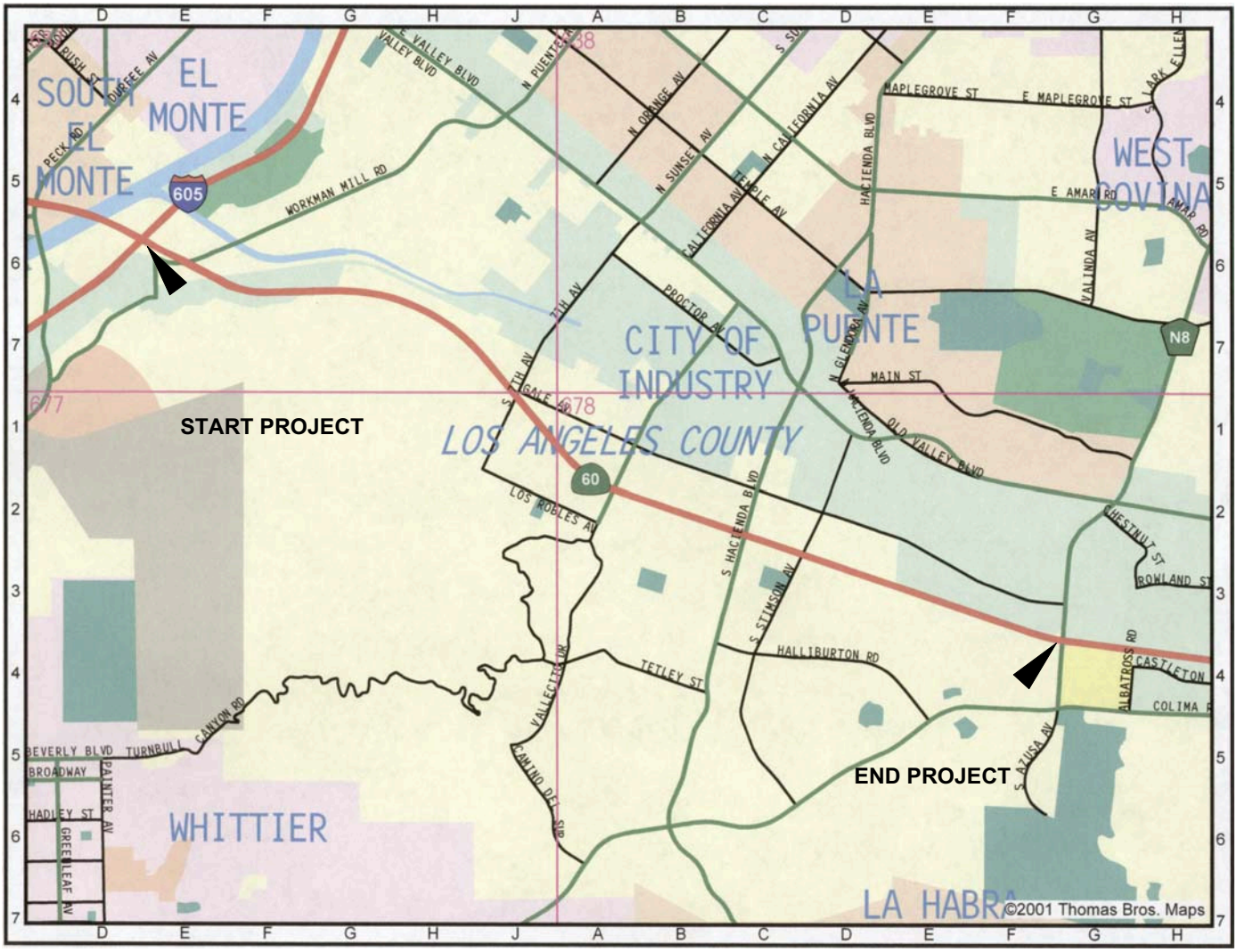
TABLE II (continued)
SUMMARY OF METALS RESULTS
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.8	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Bridge 1																	
610-312-S	3.0	<1.0	130	<1.0	<1.0	24	8.0	68	610	0.14	1.6	21	<1.0	<1.0	<1.0	30	260
610-312-0.3	1.6	<1.0	140	<1.0	1.9	25	7.5	85	340	0.19	2.4	20	<1.0	<1.0	<1.0	27	270
Bridge 2																	
610-316-S	<1.0	4.9	64	<1.0	<1.0	14	7.0	35	47	<0.10	1.7	12	<1.0	<1.0	<1.0	27	68
610-316-0.6	<1.0	4.6	59	<1.0	<1.0	14	7.4	16	43	<0.10	<1.0	12	<1.0	<1.0	<1.0	28	40
Bridge 3																	
610-319-S	<1.0	<1.0	190	<1.0	<1.0	23	6.8	57	440	<0.10	1.6	17	<1.0	<1.0	<1.0	30	620
610-322-S	<1.0	<1.0	82	<1.0	<1.0	20	7.2	24	84	<0.10	<1.0	14	<1.0	<1.0	<1.0	33	79
Bridge 4																	
610-324-S	<1.0	5.1	110	<1.0	<1.0	19	9.3	24	90	<0.10	<1.0	14	<1.0	<1.0	<1.0	35	69
610-325-S	<1.0	6.9	150	<1.0	<1.0	24	11	32	200	<0.10	<1.0	18	<1.0	<1.0	<1.0	41	140
Bridge 5																	
610-327-S	<1.0	<1.0	130	<1.0	1.2	25	6.6	64	920	0.13	2.1	20	<1.0	<1.0	<1.0	27	440
610-329-S	<1.0	<1.0	140	<1.0	1.2	26	6.1	74	1,300	0.15	2.7	19	<1.0	<1.0	<1.0	24	580
Bridge 6																	
610-333-S	<1.0	4.7	100	<1.0	<1.0	24	8.7	46	210	<0.10	1.6	18	<1.0	<1.0	<1.0	37	120
610-333-0.3	<1.0	4.6	90	<1.0	<1.0	23	8.4	28	140	<0.10	1.1	18	<1.0	<1.0	<1.0	37	100

TABLE II (continued)
SUMMARY OF METALS RESULTS
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.8	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Bridge 7																	
610-335-0.3	<1.0	<1.0	91	<1.0	<1.0	15	6.4	27	400	<0.10	<1.0	13	<1.0	<1.0	<1.0	28	96
610-337-S	<1.0	<1.0	100	<1.0	<1.0	19	5.7	40	340	<0.10	1.6	15	<1.0	<1.0	<1.0	23	280

Notes:
mg/l = milligrams per liter
mg/kg = milligrams per kilogram
STLC = Soluble Threshold Limit Concentration
TTLC = Total Threshold Limit Concentration
<1.0 = Not detected at or above specified laboratory reporting limits



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ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

MPC		8000

VICINITY MAP

ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
LOS ANGELES, CALIFORNIA

MAY 18, 2004	PROJECT NO. 09100-06-111	FIG. 1

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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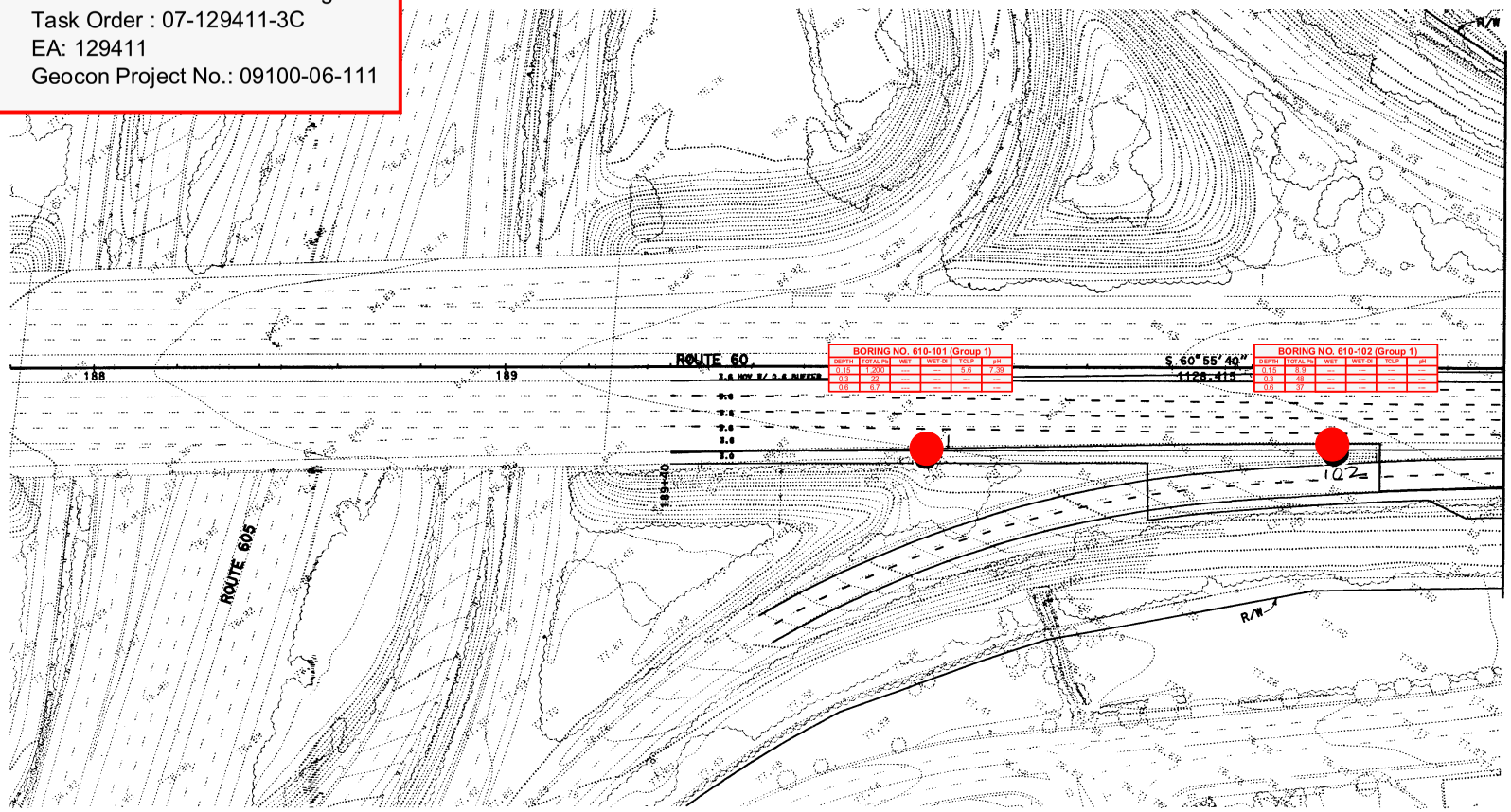
Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-101 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,200	---	---	5.6	7.39
0.3	22	---	---	---	---
0.6	6.7	---	---	---	---

BORING NO. 610-102 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	8.9	---	---	---	---
0.3	48	---	---	---	---
0.6	37	---	---	---	---

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SCALE 1:500

LAYOUT L-1

CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT DEVELOPMENT

PROJECT ENGINEER

CALCULATED/DESIGNED BY

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DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => ppobron

LAST REVISION 03-07-03

DATE PLOTTED => 03-NOV-2003

TIME PLOTTED => 11:33

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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LEGEND

GEOCON

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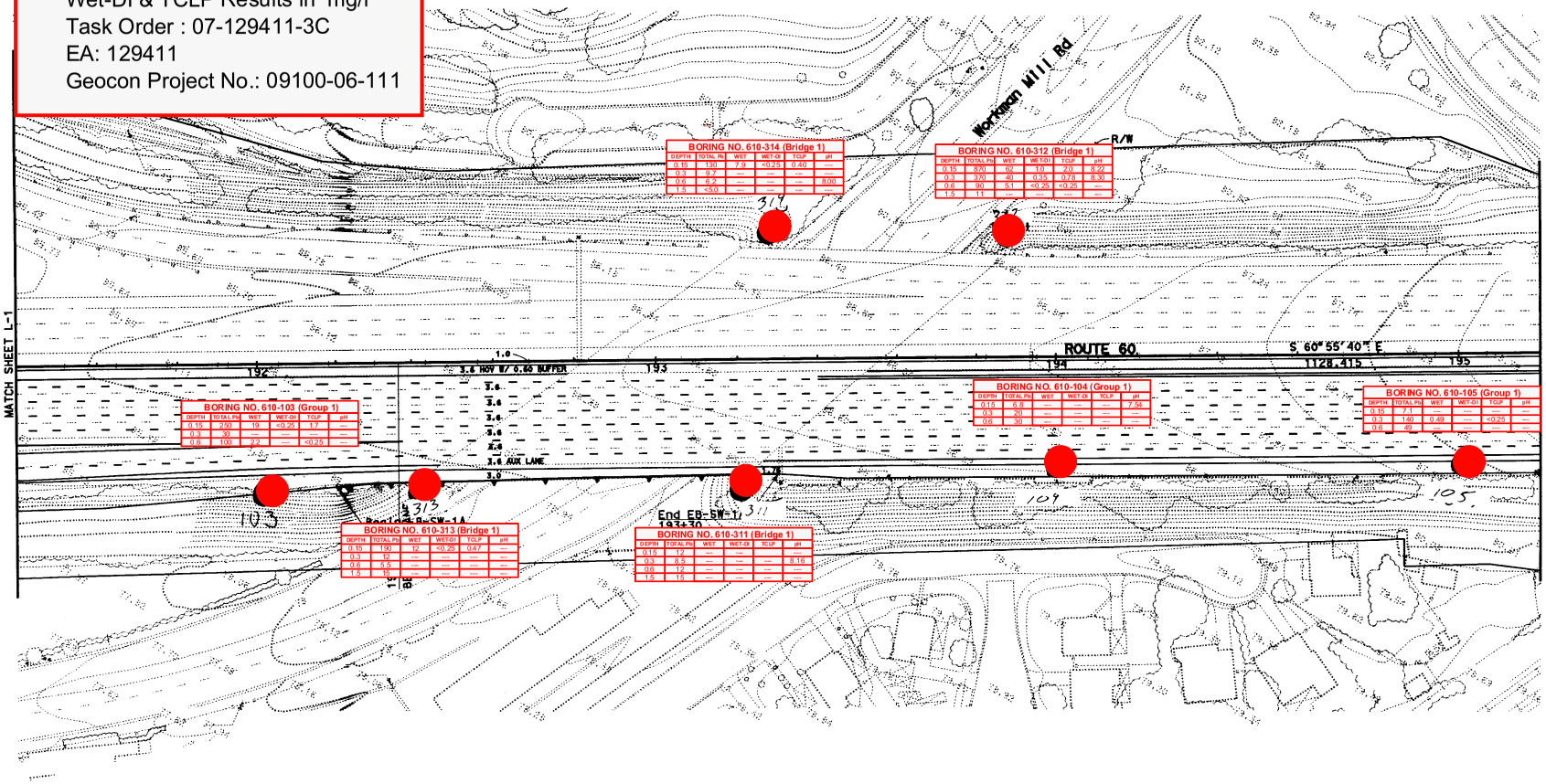

BORING NO. 610-314 (Bridge 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	150	7.9	<0.25	0.40	—
0.3	97	—	—	—	—
0.6	52	—	—	—	8.00
1.5	<5.0	—	—	—	—

BORING NO. 610-312 (Bridge 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	330	62	1.0	2.0	8.22
0.3	370	40	0.35	0.74	8.30
0.6	90	5.1	<0.25	<0.25	—
1.5	11	—	—	—	—

BORING NO. 610-103 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	250	19	<0.25	1.7	—
0.3	30	—	—	—	—
0.6	100	2.2	—	<0.25	—

BORING NO. 610-104 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	6.8	—	—	—	7.54
0.3	20	—	—	—	—
0.6	30	—	—	—	—

BORING NO. 610-105 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	7.1	—	—	—	—
0.3	140	0.49	—	<0.25	—
0.6	49	—	—	—	—

BORING NO. 610-313 (Bridge 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	190	12	<0.25	0.47	—
0.3	12	—	—	—	—
0.6	4.5	—	—	—	—
1.5	15	—	—	—	—

BORING NO. 610-311 (Bridge 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	12	—	—	—	—
0.3	8.5	—	—	—	8.16
0.6	12	—	—	—	—
1.5	15	—	—	—	—

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LAYOUT L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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USERNAME => geocon

EA 07-1294a1

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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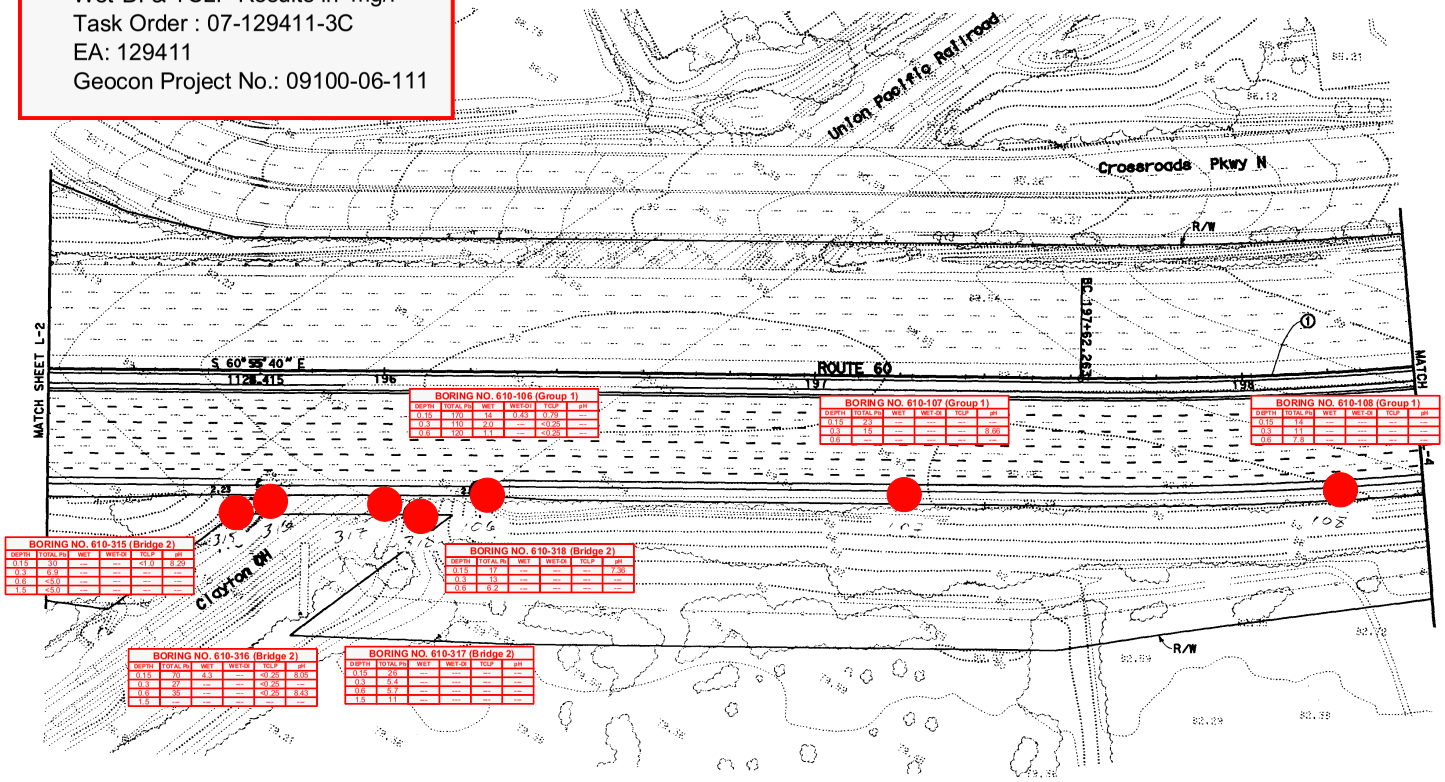

BORING NO. 610-106 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	170	14	0.43	0.79	---
0.3	110	2.0	---	<0.25	---
0.6	120	1.1	---	<0.25	---

BORING NO. 610-107 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	23	---	---	---	---
0.3	15	---	---	---	8.66
0.6	---	---	---	---	---

BORING NO. 610-108 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	14	---	---	---	---
0.3	11	---	---	---	---
0.6	7.8	---	---	---	---

BORING NO. 610-315 (Bridge 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	30	---	---	<1.0	8.29
0.3	6.9	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-318 (Bridge 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	17	---	---	---	7.36
0.3	13	---	---	---	---
0.6	6.2	---	---	---	---

BORING NO. 610-316 (Bridge 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	70	4.3	---	<0.25	8.05
0.3	27	---	---	<0.25	---
0.6	35	---	---	<0.25	8.43
1.5	---	---	---	---	---

BORING NO. 610-317 (Bridge 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	26	---	---	---	---
0.3	5.4	---	---	---	---
0.6	5.7	---	---	---	---
1.5	11	---	---	---	---

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LAYOUT L-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => pgobron

CU 06231

EA 07-129401

LAST REVISION 07-07-07

DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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GEOCON

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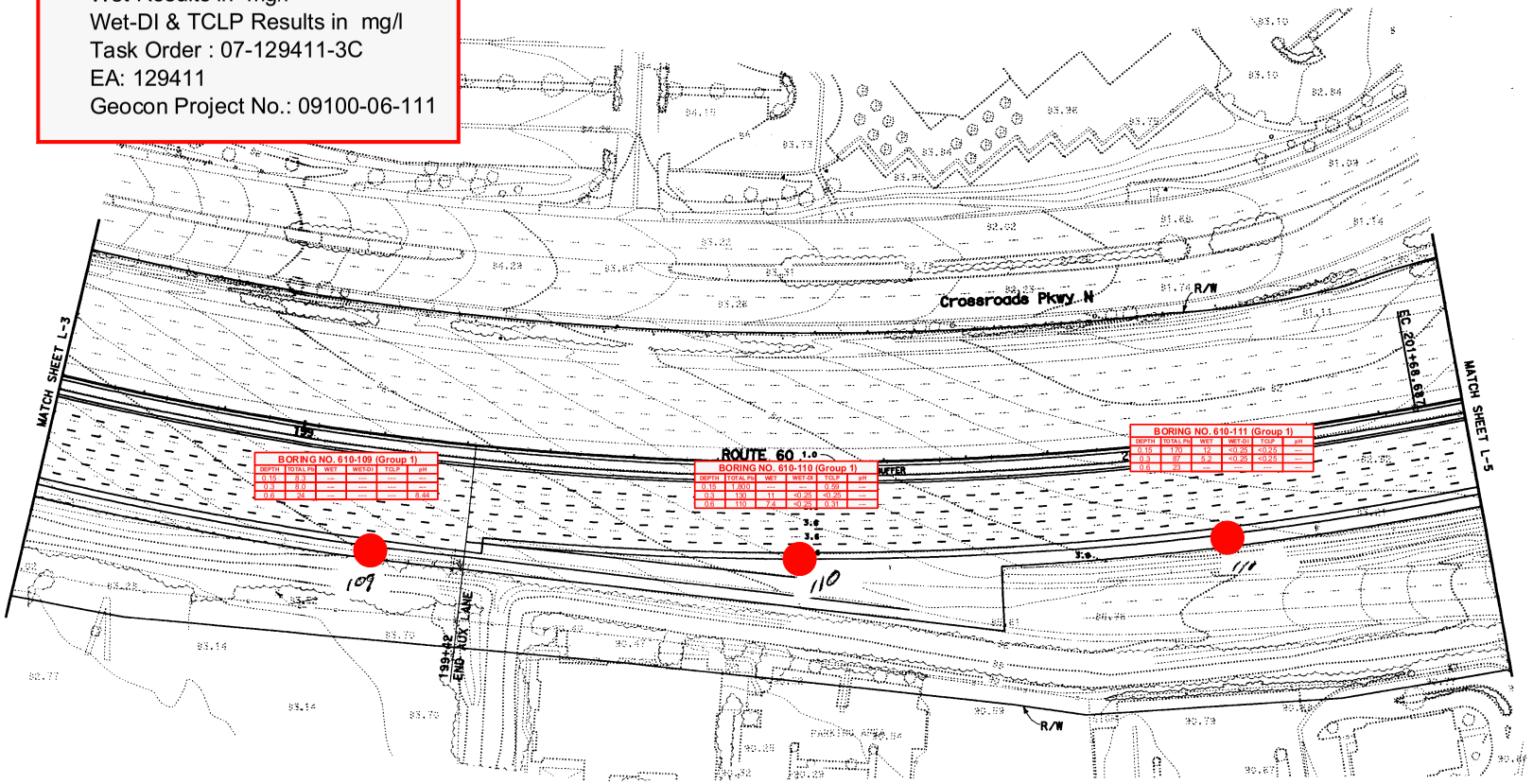

BORING NO. 610-109 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	8.3	---	---	---	---
0.3	8.0	---	---	---	---
0.6	24	---	---	---	8.44

BORING NO. 610-110 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,800	---	---	0.59	---
0.3	130	11	<0.25	<0.25	---
0.6	110	7.4	<0.25	0.31	---

BORING NO. 610-111 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	170	12	<0.25	<0.25	---
0.3	87	5.2	<0.25	<0.25	---
0.6	23	---	---	---	---

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SCALE 1:500

LAYOUT L-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 07-07-03

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USERNAME => ngobran

CU 06231

EA 07-129411

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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PLANS APPROVAL DATE

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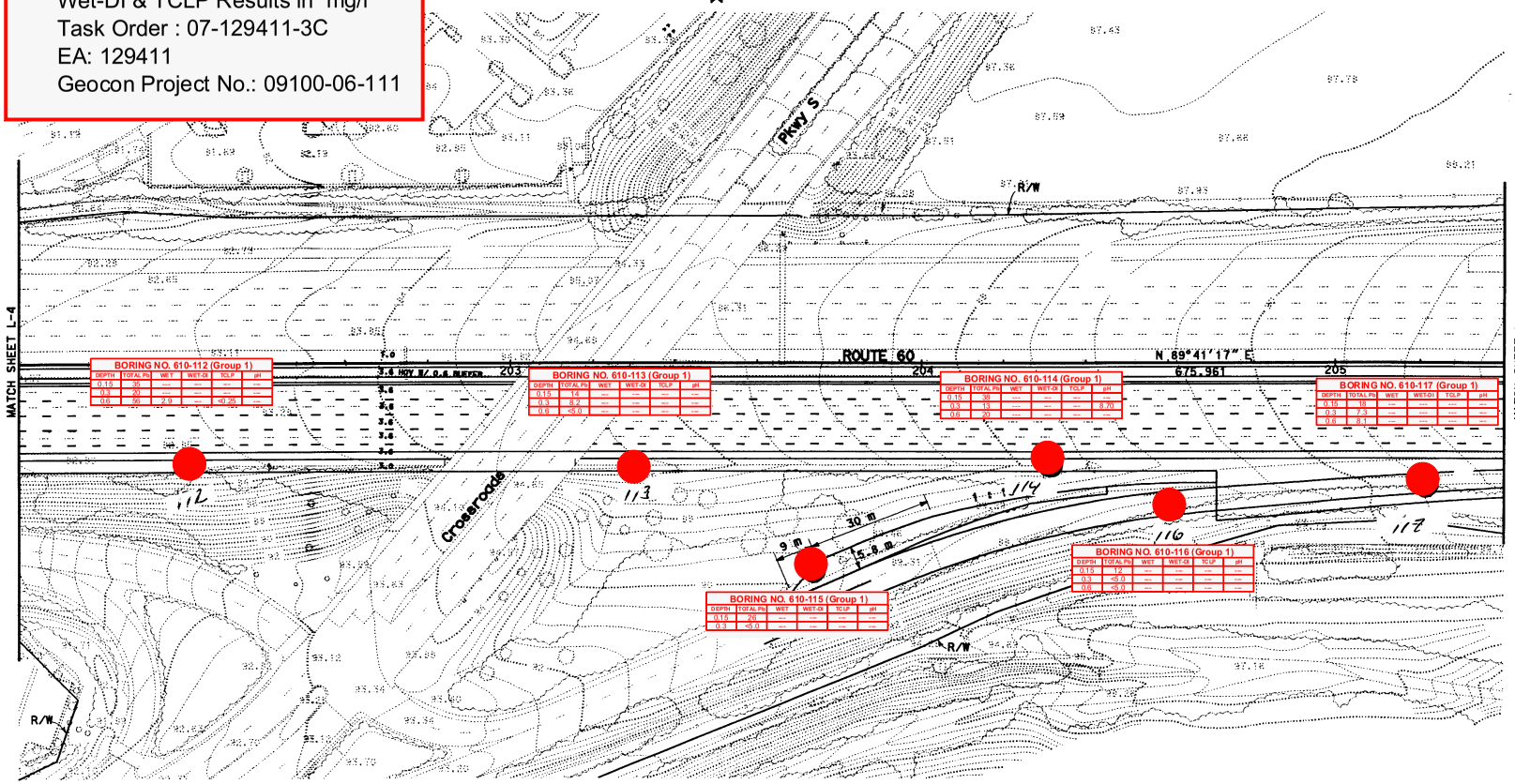

BORING NO. 610-112 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	28	---	---	---	---
0.3	20	---	---	---	---
0.6	36	2.9	---	<0.25	---

BORING NO. 610-113 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	14	---	---	---	---
0.3	8.2	---	---	---	---
0.6	<5.0	---	---	---	---

BORING NO. 610-114 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	38	---	---	---	---
0.3	13	---	---	---	8.70
0.6	20	---	---	---	---

BORING NO. 610-117 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	18	---	---	---	---
0.3	7.3	---	---	---	---
0.6	8.1	---	---	---	---

BORING NO. 610-115 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	28	---	---	---	---
0.3	<5.0	---	---	---	---

BORING NO. 610-116 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	12	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---

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LAYOUT L-5

DATE	REVISED BY	DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

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USERNAME => ngobran

CU 06231

EA 07-1294d1

DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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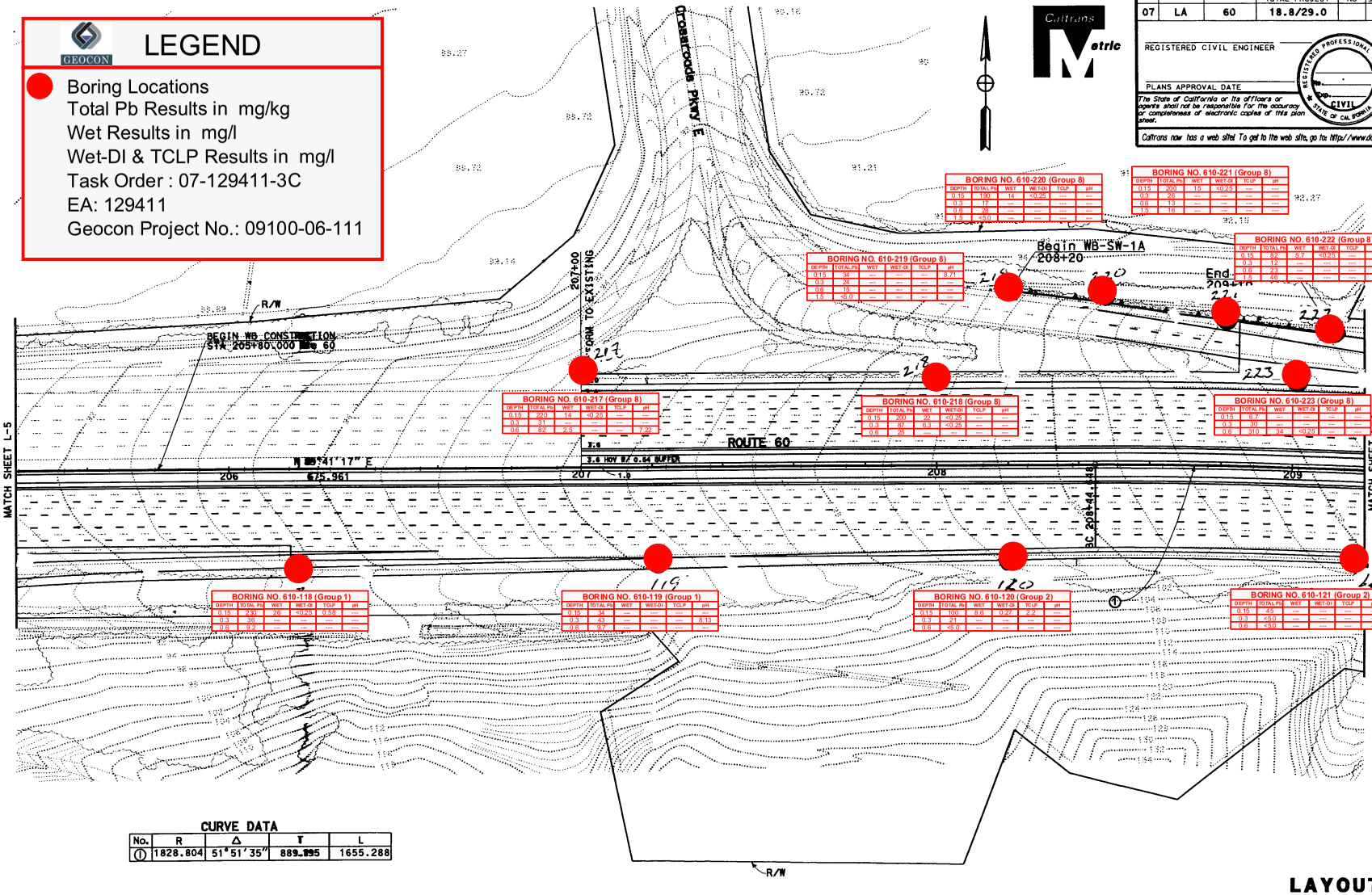

BORING NO. 610-217 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	220	14	<0.25	---	---
0.3	31	---	---	---	---
0.6	82	2.5	---	---	7.22

BORING NO. 610-218 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	200	22	<0.25	---	---
0.3	87	6.3	<0.25	---	---
0.6	25	---	---	---	---

BORING NO. 610-219 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	34	---	---	---	8.71
0.3	26	---	---	---	---
0.6	15	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-220 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	190	14	<0.25	---	---
0.3	17	---	---	---	---
0.6	28	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-221 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	200	15	<0.25	---	---
0.3	26	---	---	---	---
0.6	13	---	---	---	---
1.5	16	---	---	---	---

BORING NO. 610-222 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	82	5.7	<0.25	---	---
0.3	12	---	---	---	---
0.6	23	---	---	---	8.48
1.5	46	---	---	---	---

BORING NO. 610-223 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	67	---	---	---	---
0.3	30	---	---	---	---
0.6	310	34	<0.25	---	---

BORING NO. 610-118 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	230	26	<0.25	0.58	---
0.3	39	---	---	---	---
0.6	9.2	---	---	---	---

BORING NO. 610-119 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	34	---	---	---	---
0.3	43	---	---	---	---
0.6	9.7	---	---	---	---

BORING NO. 610-120 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	8.6	0.27	2.2	---
0.3	21	---	---	---	---
0.6	<5.0	---	---	---	---

BORING NO. 610-121 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	45	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---

CURVE DATA

No.	R	Δ	T	L
1	1828.804	51°51'35"	889.195	1655.288

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LAYOUT L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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USERNAME => ggodfrey

EA 07-1294c1

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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LEGEND

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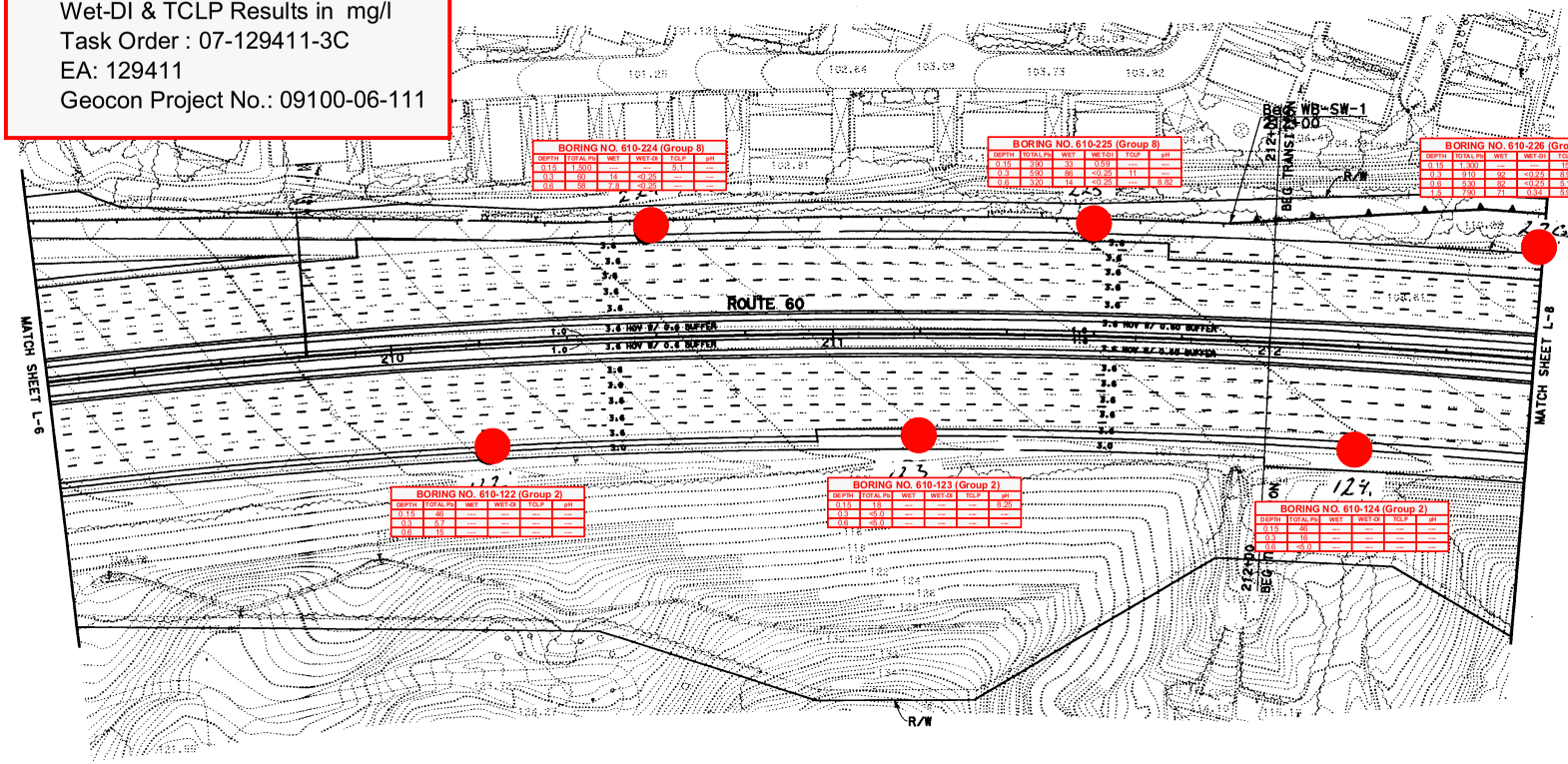

BORING NO. 610-224 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,500	—	—	5.1	—
0.3	60	16	<0.25	—	—
0.6	28	7.6	<0.25	—	—

BORING NO. 610-225 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	390	33	0.59	—	—
0.3	550	66	<0.25	11	—
0.6	320	14	<0.25	—	8.82

BORING NO. 610-226 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,300	—	—	15	—
0.3	910	92	<0.25	6.9	—
0.6	530	82	<0.25	5.1	—
1.5	790	71	0.34	5.9	—

BORING NO. 610-122 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	46	—	—	—	—
0.3	57	—	—	—	—
0.6	15	—	—	—	—

BORING NO. 610-123 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	18	—	—	—	8.25
0.3	<5.0	—	—	—	—
0.6	<5.0	—	—	—	—

BORING NO. 610-124 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	46	—	—	—	—
0.3	16	—	—	—	—
0.6	<5.0	—	—	—	—

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SCALE 1:500

LAYOUT L-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

PROJECT ENGINEER

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FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

LAST REVISION 07-07-07 DATE PLOTTED => 03-NOV-2003

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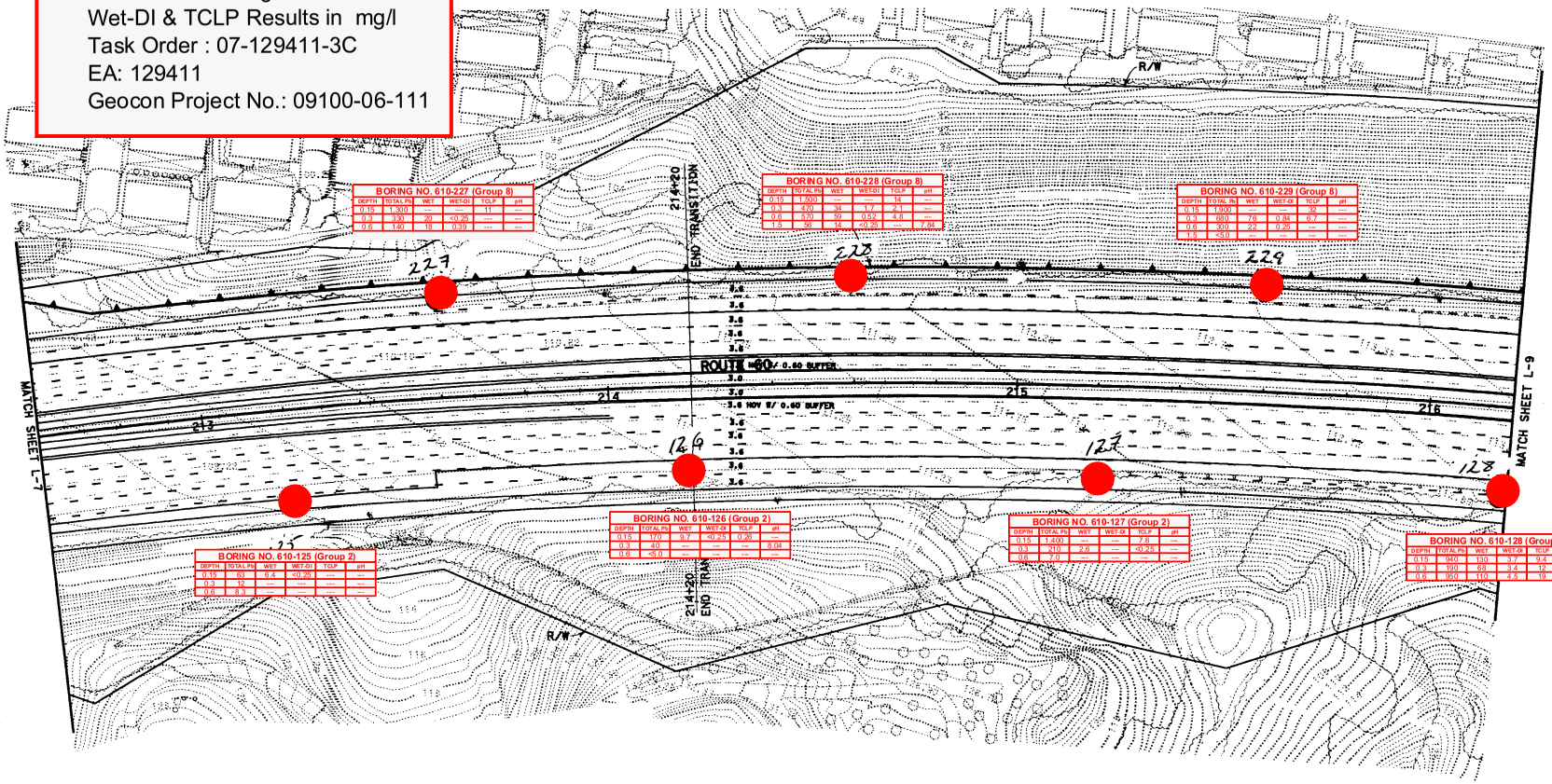

BORING NO. 610-227 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,300	---	---	11	---
0.3	330	20	<0.25	---	---
0.6	140	18	0.39	---	---

BORING NO. 610-228 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,500	---	---	14	---
0.3	470	34	1.7	2.1	---
0.6	570	59	0.52	4.8	---
1.5	56	14	<0.25	---	7.84

BORING NO. 610-229 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,900	---	---	32	---
0.3	680	76	0.84	6.7	---
0.6	300	22	0.25	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-125 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	63	6.4	<0.25	---	---
0.3	12	---	---	---	---
0.6	8.3	---	---	---	---

BORING NO. 610-126 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	170	9.7	<0.25	0.26	---
0.3	40	---	---	---	8.04
0.6	<5.0	---	---	---	---

BORING NO. 610-127 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,400	---	---	7.6	---
0.3	210	2.6	---	<0.25	---
0.6	7.0	---	---	---	---

BORING NO. 610-128 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	940	130	3.7	9.4	---
0.3	190	68	3.4	12	---
0.6	950	110	4.5	19	---

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LAYOUT L-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

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FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => ngopcon

CU 06231

EA 07-1294g1

LAST REVISION

DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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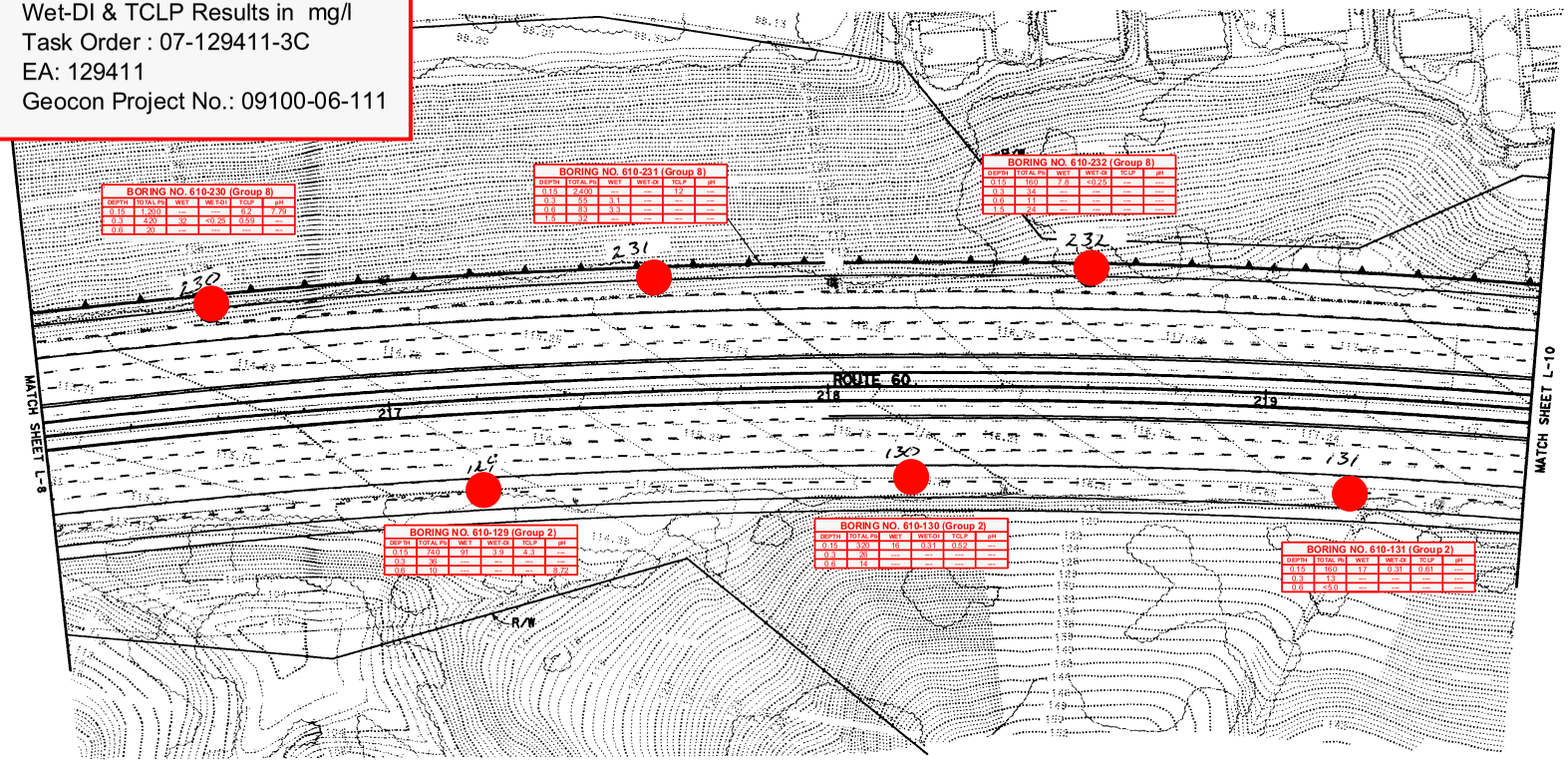
GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-230 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,200	—	—	6.2	7.78
0.3	4,00	32	<0.25	0.89	—
0.6	20	—	—	—	—

BORING NO. 610-231 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	2,400	—	—	12	—
0.3	55	3.1	—	—	—
0.6	83	3.3	—	—	—
1.5	32	—	—	—	—

BORING NO. 610-232 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	160	7.8	<0.25	—	—
0.3	14	—	—	—	—
0.6	11	—	—	—	—
1.5	14	—	—	—	—

BORING NO. 610-129 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	740	91	3.9	4.3	—
0.3	36	—	—	—	—
0.6	10	—	—	—	8.72

BORING NO. 610-130 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	340	16	0.41	0.52	—
0.3	20	—	—	—	—
0.6	14	—	—	—	—

BORING NO. 610-131 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	160	17	0.31	0.61	—
0.3	13	—	—	—	—
0.6	<5.0	—	—	—	—

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LAYOUT L-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

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USERNAME => ngobran

CU 06231

EA 07-129401

LAST REVISION 07-07-07

DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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GEOCON

- Boring Locations
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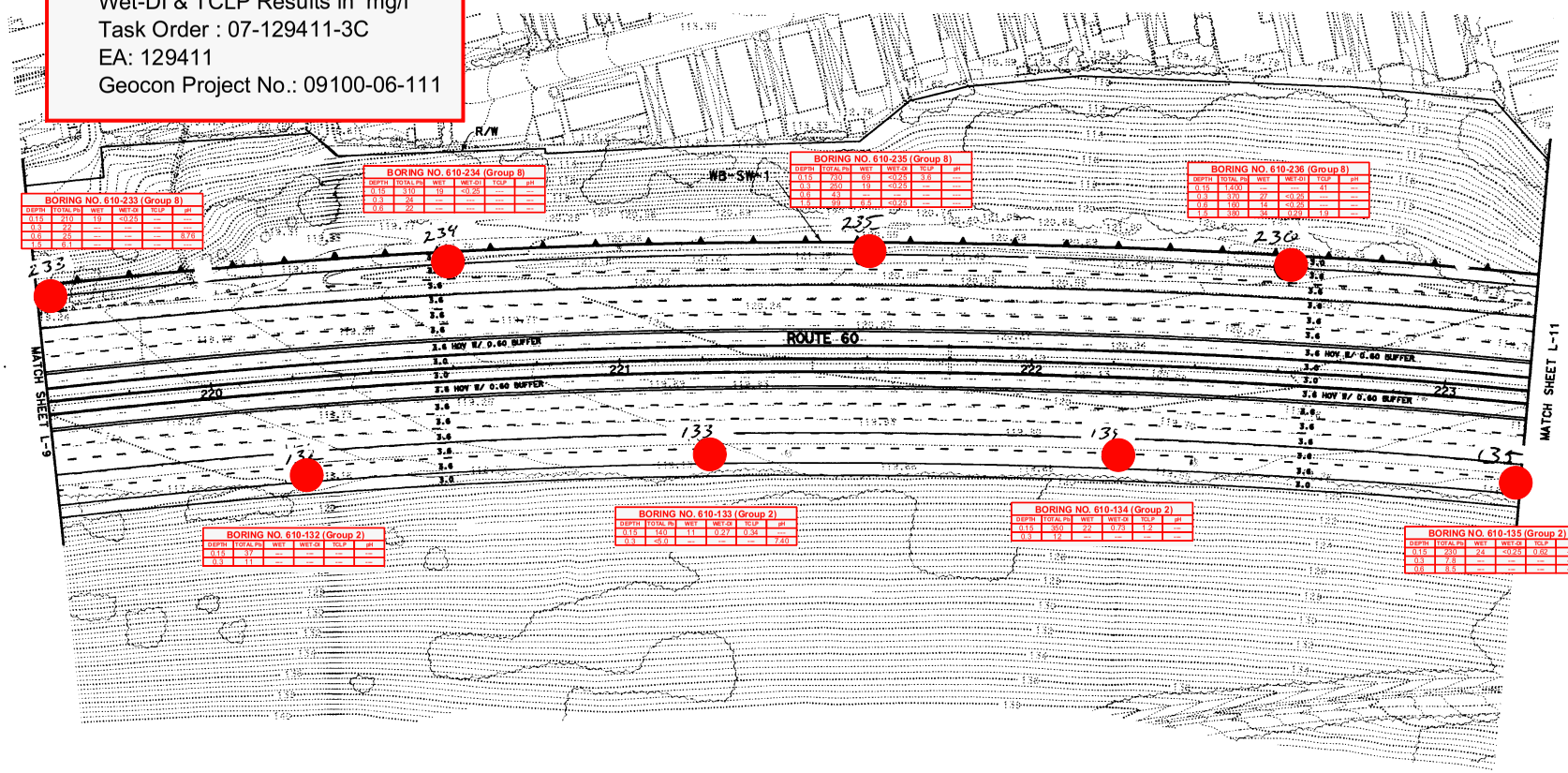
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-233 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	19	<0.25	---	---
0.3	22	---	---	---	---
0.6	25	---	---	---	8.76
1.5	6.1	---	---	---	---

BORING NO. 610-234 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	310	19	<0.25	---	---
0.3	24	---	---	---	---
0.6	22	---	---	---	---

BORING NO. 610-235 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	730	69	<0.25	3.6	---
0.3	250	19	<0.25	---	---
0.6	43	---	---	---	---
1.5	99	6.5	<0.25	---	---

BORING NO. 610-236 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,400	---	---	41	---
0.3	370	27	<0.25	---	---
0.6	160	14	<0.25	---	---
1.5	380	34	0.29	1.9	---

BORING NO. 610-132 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	37	---	---	---	---
0.3	11	---	---	---	---

BORING NO. 610-133 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	140	11	0.27	0.34	---
0.3	<5.0	---	---	---	7.40

BORING NO. 610-134 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	350	22	0.73	1.2	---
0.3	12	---	---	---	---

BORING NO. 610-135 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	230	24	<0.25	0.62	---
0.3	7.8	---	---	---	---
0.6	8.5	---	---	---	---

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LAYOUT L-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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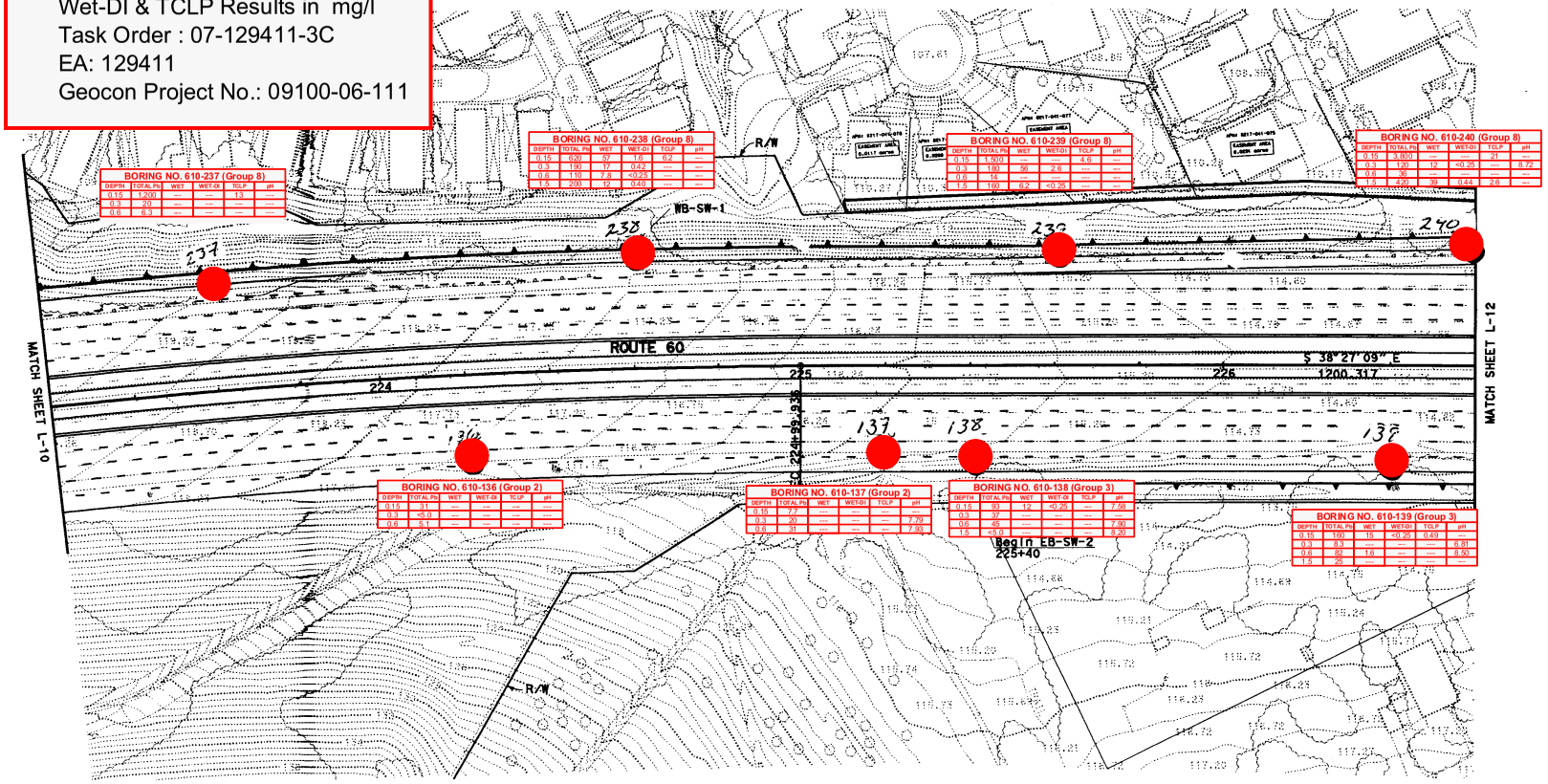

BORING NO. 610-237 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,200	—	—	13	—
0.3	20	—	—	—	—
0.6	6.3	—	—	—	—

BORING NO. 610-238 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	620	57	1.8	6.2	—
0.3	180	17	0.72	—	—
0.6	110	7.8	<0.25	—	—
1.5	200	12	0.40	—	—

BORING NO. 610-239 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,500	—	—	4.6	—
0.3	180	50	2.6	—	—
0.6	14	—	—	—	—
1.5	160	6.2	<0.25	—	—

BORING NO. 610-240 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	3,800	—	—	21	—
0.3	120	12	<0.25	—	8.72
0.6	30	—	—	—	—
1.5	420	39	0.44	2.6	—

BORING NO. 610-136 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	31	—	—	—	—
0.3	<5.0	—	—	—	—
0.6	5.1	—	—	—	—

BORING NO. 610-137 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	77	—	—	—	—
0.3	20	—	—	—	7.79
0.6	—	—	—	—	7.93

BORING NO. 610-138 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	93	12	<0.25	—	7.58
0.3	37	—	—	—	—
0.6	45	—	—	—	7.90
1.5	<5.0	—	—	—	8.20

BORING NO. 610-139 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	160	15	<0.25	0.49	—
0.3	83	—	—	—	6.81
0.6	82	16	—	—	8.50
1.5	25	—	—	—	—

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LAYOUT L-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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CU 06231

EA 07-129401

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

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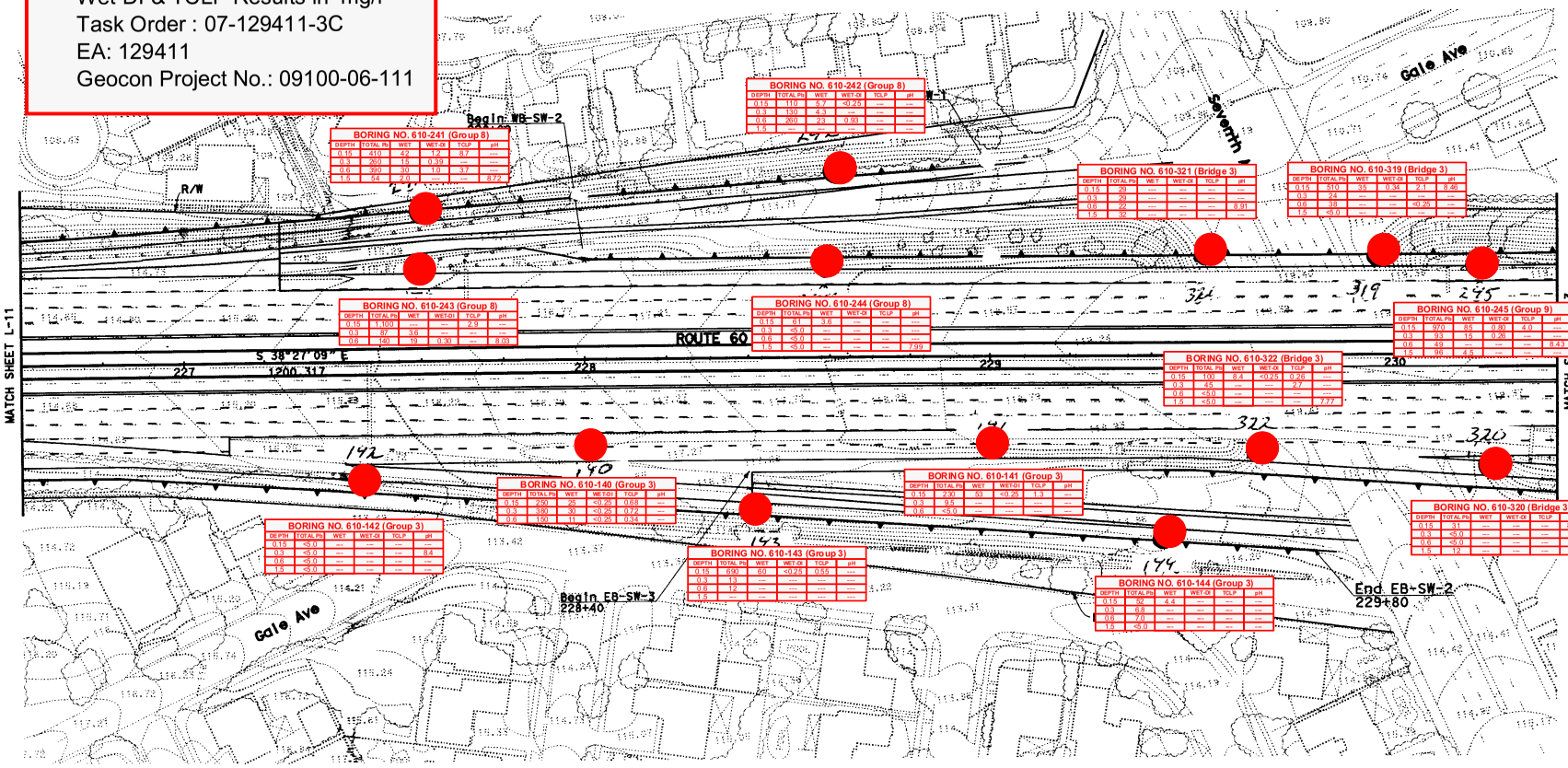

BORING NO. 610-241 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	410	42	12	8.7	---
0.3	260	15	0.39	---	---
0.6	390	30	1.0	3.7	---
1.5	54	20	---	---	8.72

BORING NO. 610-242 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	110	5.7	<0.25	---	---
0.3	130	4.3	---	---	---
0.6	260	23	0.93	---	---
1.5	---	---	---	---	---

BORING NO. 610-243 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,100	---	---	2.9	---
0.3	87	3.6	---	---	---
0.6	150	19	0.30	---	8.03

BORING NO. 610-244 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	61	3.6	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	7.99

BORING NO. 610-321 (Bridge 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	29	---	---	---	---
0.3	29	---	---	---	---
0.6	22	---	---	---	8.91
1.5	32	---	---	---	---

BORING NO. 610-319 (Bridge 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	510	35	0.34	2.1	8.48
0.3	24	---	---	---	---
0.6	38	---	---	<0.25	---
1.5	<5.0	---	---	---	---

BORING NO. 610-245 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	970	85	0.80	4.0	---
0.3	93	15	0.20	---	---
0.6	49	---	---	---	8.43
1.5	96	4.5	---	---	---

BORING NO. 610-322 (Bridge 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	8.4	<0.25	0.26	---
0.3	45	---	---	2.2	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	7.77

BORING NO. 610-140 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	270	25	<0.25	0.68	---
0.3	380	30	<0.25	0.72	---
0.6	150	31	<0.25	0.34	---

BORING NO. 610-141 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	230	53	<0.25	1.3	---
0.3	95	---	---	---	---
0.6	<5.0	---	---	---	---

BORING NO. 610-142 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.3	<5.0	---	---	---	8.4
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-143 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	690	60	<0.25	0.55	---
0.3	11	---	---	---	---
0.6	12	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 610-144 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	52	4.4	---	---	---
0.3	6.8	---	---	---	---
0.6	7.0	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-320 (Bridge 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	31	---	---	---	8.56
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	12	---	---	---	---

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LAYOUT L-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
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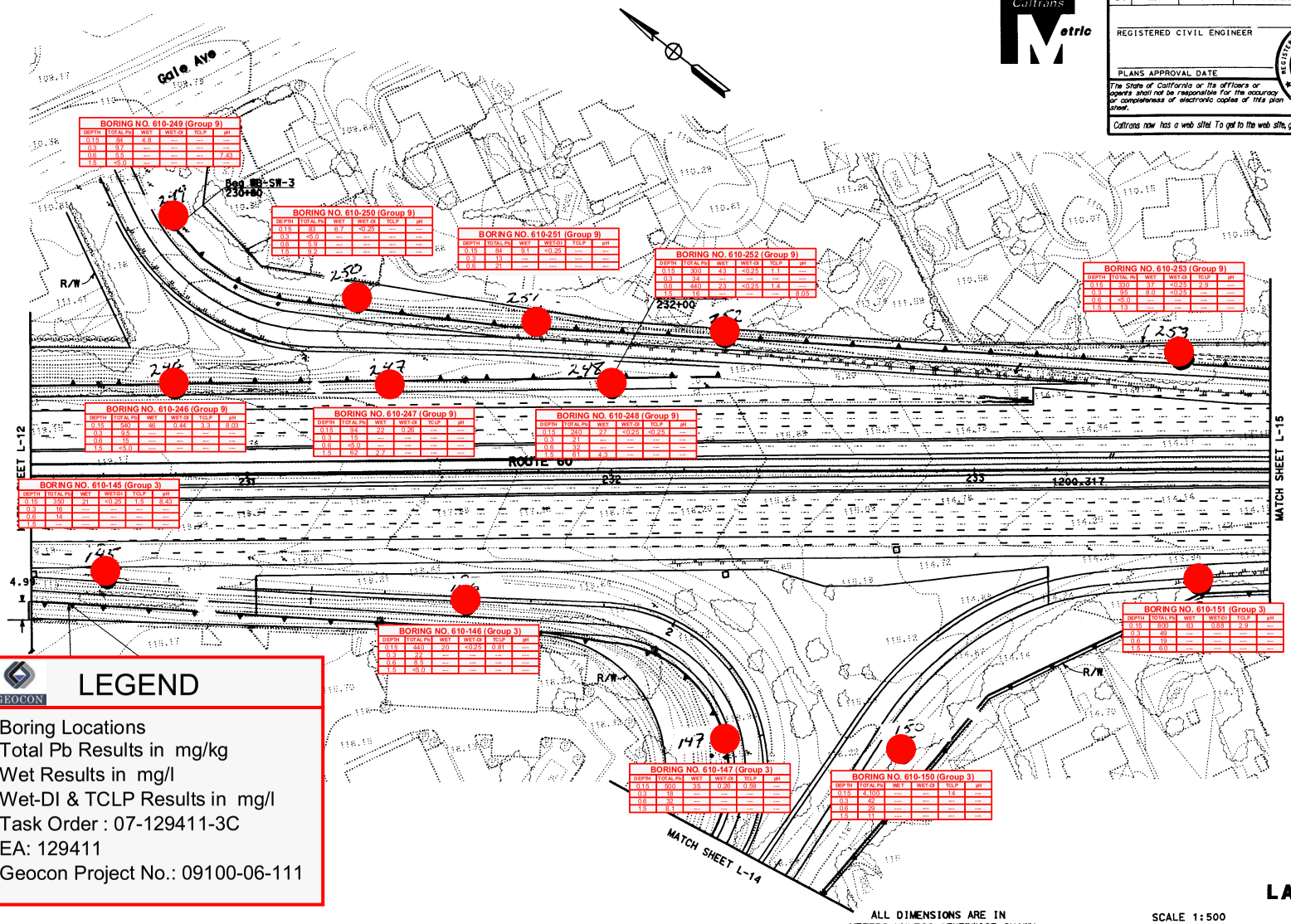

BORING NO. 610-249 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	84	4.8	---	---	---
0.3	97	---	---	---	---
0.6	55	---	---	---	7.43
1.5	<5.0	---	---	---	---

BORING NO. 610-250 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	83	6.7	<0.25	---	---
0.3	<5.0	---	---	---	---
0.6	5.9	---	---	---	---
1.5	9.2	---	---	---	---

BORING NO. 610-251 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	84	91	<0.25	---	---
0.3	13	---	---	---	---
0.6	21	---	---	---	---

BORING NO. 610-252 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	300	43	<0.25	1.1	---
0.3	34	---	---	---	---
0.6	440	23	<0.25	1.4	---
1.5	15	---	---	---	8.05

BORING NO. 610-253 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	380	37	<0.25	2.9	---
0.3	95	8.0	<0.25	---	---
0.6	<5.0	---	---	---	---
1.5	13	---	---	---	---

BORING NO. 610-246 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	560	46	0.44	3.3	8.03
0.3	9.5	---	---	---	---
0.6	15	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-247 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	94	22	0.28	---	---
0.3	15	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	62	2.7	---	---	---

BORING NO. 610-248 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	240	27	<0.25	<0.25	---
0.3	21	---	---	---	---
0.6	32	---	---	---	---
1.5	51	4.3	---	---	---

BORING NO. 610-145 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	350	21	<0.25	1.5	8.43
0.3	16	---	---	---	---
0.6	14	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 610-146 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	440	20	<0.25	0.81	---
0.3	22	---	---	---	---
0.6	8.5	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-147 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	500	35	0.26	0.59	---
0.3	18	---	---	---	---
0.6	32	---	---	---	---
1.5	8.1	---	---	---	---

BORING NO. 610-150 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	4,100	---	---	14	---
0.3	42	---	---	---	---
0.6	20	---	---	---	---
1.5	11	---	---	---	---

BORING NO. 610-151 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	800	63	0.88	2.9	---
0.3	49	---	---	---	---
0.6	19	---	---	---	---
1.5	60	---	---	---	---

GEOCON

LEGEND

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LAYOUT L-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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PROJECT ENGINEER

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0 20 40 60 80

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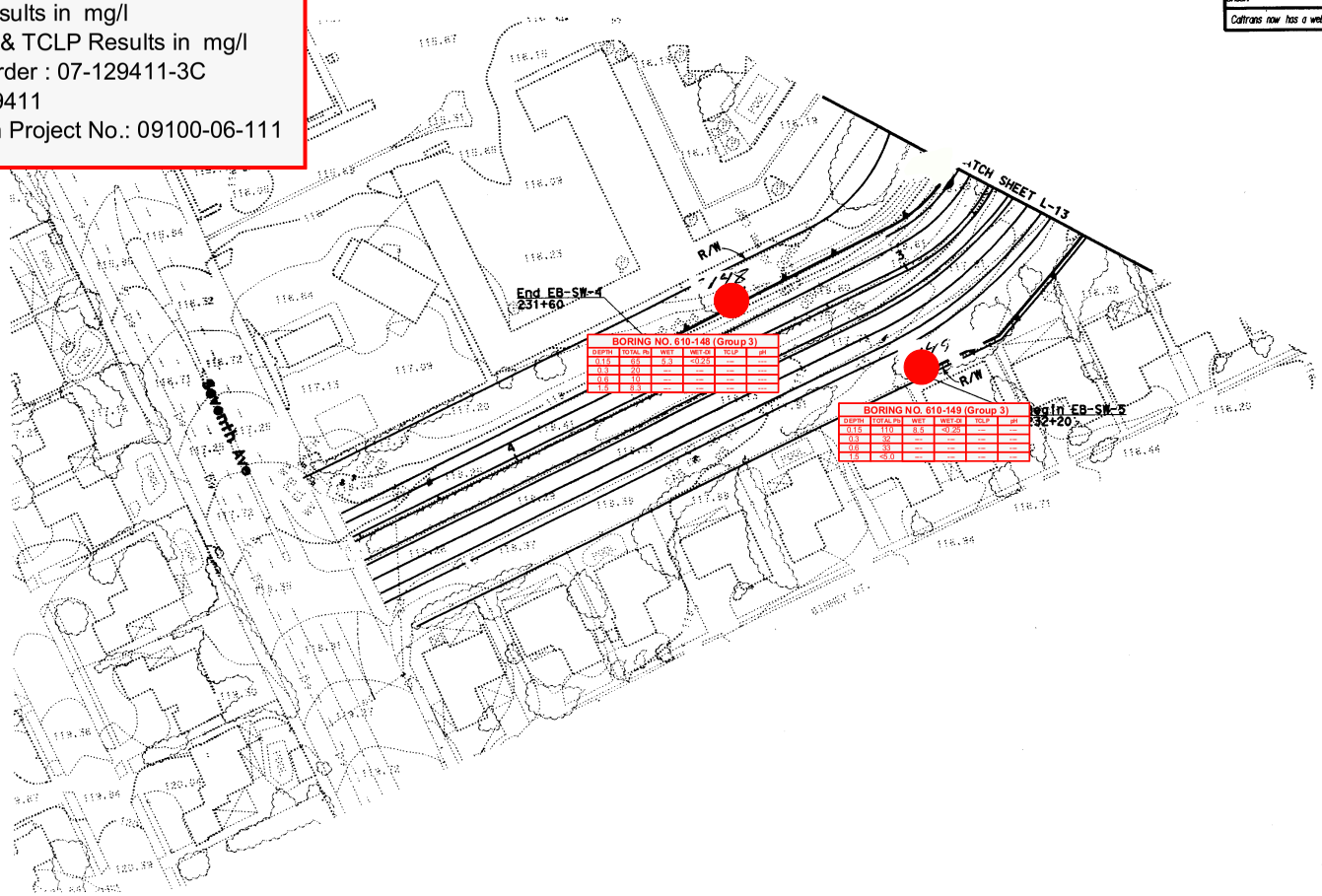
Wet-DI & TCLP Results in mg/l
Task Order : 07-129411-3C
EA: 129411
Geocon Project No.: 09100-06-111



BORING NO. 610-148 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	65	5.3	<0.25	---	---
0.3	20	---	---	---	---
0.6	10	---	---	---	---
1.5	9.3	---	---	---	---

BORING NO. 610-149 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	110	8.5	<0.25	---	---
0.3	32	---	---	---	---
0.6	33	---	---	---	---
1.5	<5.0	---	---	---	---

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SCALE 1:500

LAYOUT

L-14

DATE PLOTTED => 03-NOV-2003
03-07-03

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

PROJECT ENGINEER

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DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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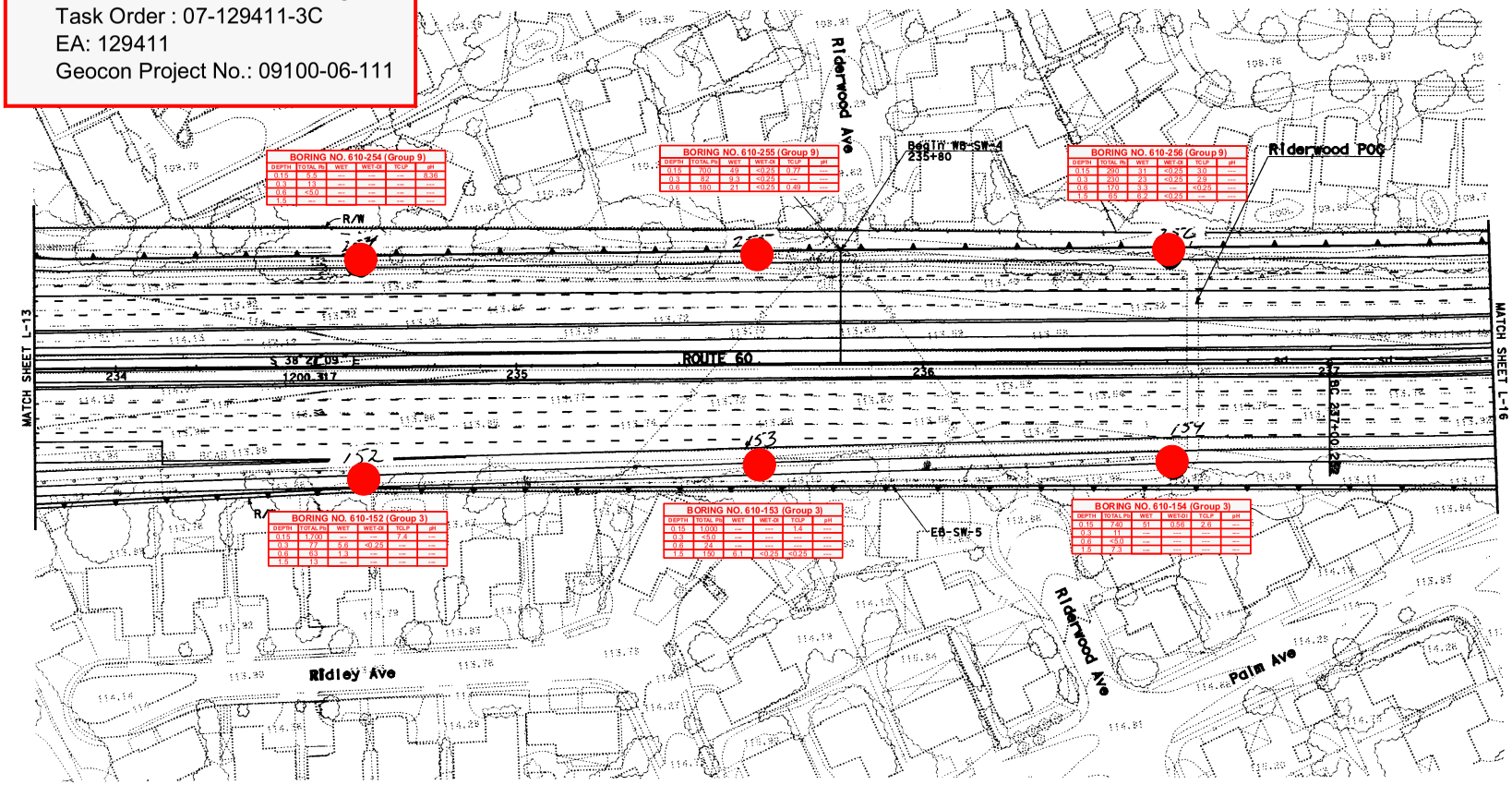
GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-254 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	54	---	---	---	8.36
0.3	13	---	---	---	---
0.6	<50	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 610-255 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	700	49	<0.25	0.77	---
0.3	82	9.3	<0.25	---	---
0.6	180	21	<0.25	0.49	---

BORING NO. 610-256 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	290	31	<0.25	3.0	---
0.3	220	23	<0.25	2.9	---
0.6	170	3.3	---	<0.25	---
1.5	95	6.2	<0.25	---	---

BORING NO. 610-152 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1700	---	---	7.4	---
0.3	77	5.6	<0.25	---	---
0.6	63	1.3	---	---	---
1.5	13	---	---	---	---

BORING NO. 610-153 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,000	---	---	1.4	---
0.3	<50	---	---	---	---
0.6	24	---	---	---	---
1.5	150	6.1	<0.25	<0.25	---

BORING NO. 610-154 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	720	31	0.58	2.6	---
0.3	11	---	---	---	---
0.6	<50	---	---	---	---
1.5	7.3	---	---	---	---

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LAYOUT L-15

DATE	REVISED BY	DATE REVISED

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

LAST REVISION 03-07-07

DATE PLOTTED => 03-NOV-2003

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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PLANS APPROVAL DATE

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GEOCON

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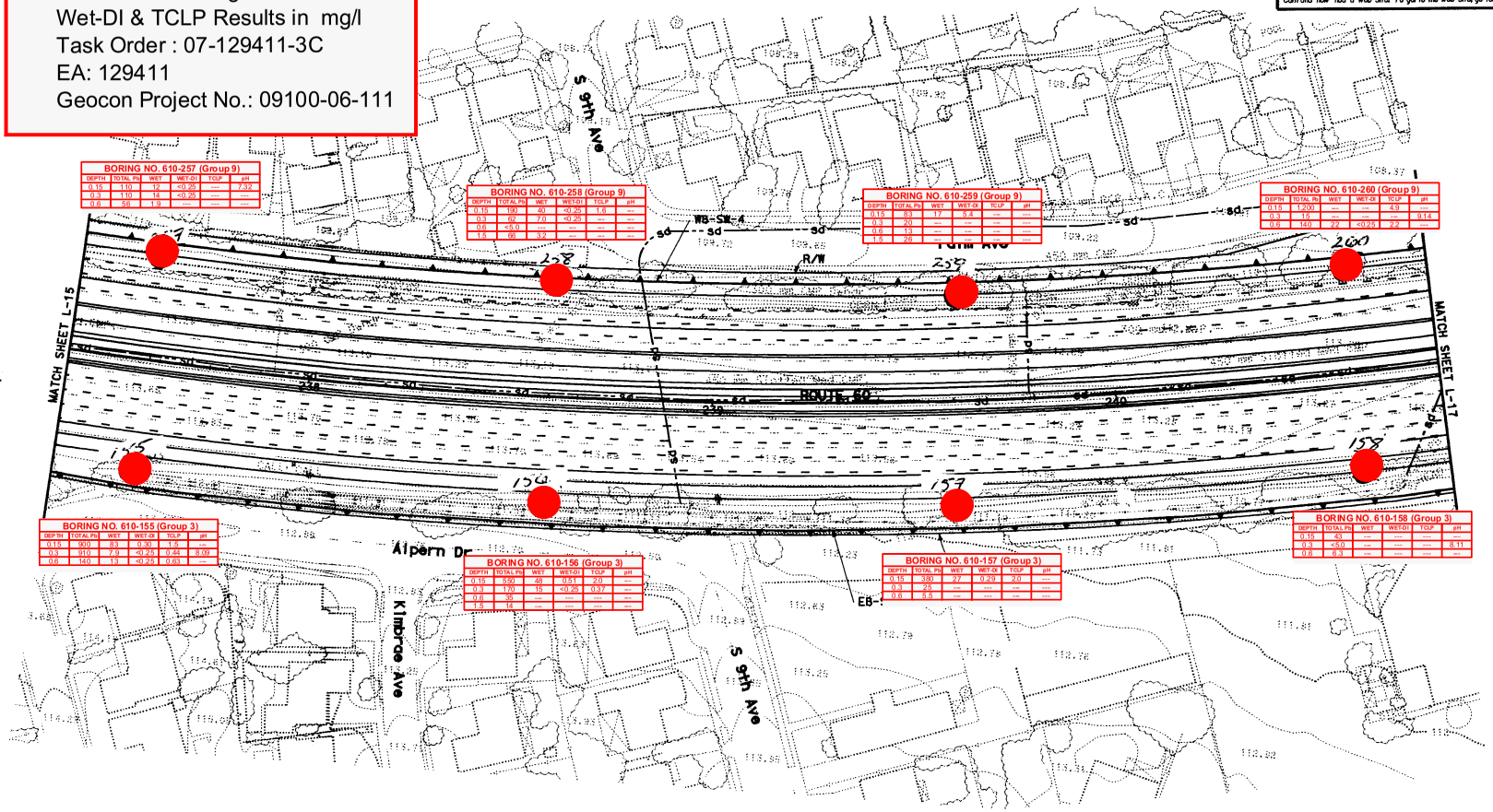
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-257 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	110	12	<0.25	---	7.32
0.3	110	14	<0.25	---	---
0.6	56	1.9	---	---	---

BORING NO. 610-258 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	190	40	<0.25	1.6	---
0.3	62	7.0	<0.25	---	---
0.6	<5.0	---	---	---	---
1.5	66	3.2	---	---	---

BORING NO. 610-259 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	83	17	5.4	---	---
0.3	20	---	---	---	---
0.6	13	---	---	---	---
1.5	26	---	---	---	---

BORING NO. 610-260 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1200	---	---	4.9	---
0.3	15	---	---	---	9.14
0.6	140	22	<0.25	2.2	---

BORING NO. 610-155 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	900	83	0.30	1.5	---
0.3	910	7.9	<0.25	0.44	8.09
0.6	140	13	<0.25	0.63	---

BORING NO. 610-156 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	550	48	0.51	2.0	---
0.3	170	15	<0.25	0.37	---
0.6	35	---	---	---	---
1.5	14	---	---	---	---

BORING NO. 610-157 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	380	27	0.29	2.0	---
0.3	25	---	---	---	---
0.6	5.5	---	---	---	---

BORING NO. 610-158 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	43	---	---	---	---
0.3	<5.0	---	---	---	8.11
0.6	6.3	---	---	---	---

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LAYOUT

L-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

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DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => ngabran

CU 06231

EA 07-129401

LAST REVISION 03-07-03

DATE PLOTTED => 03-NOV-2003

TIME PLOTTED => 11:26

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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GEOCON

- Boring Locations
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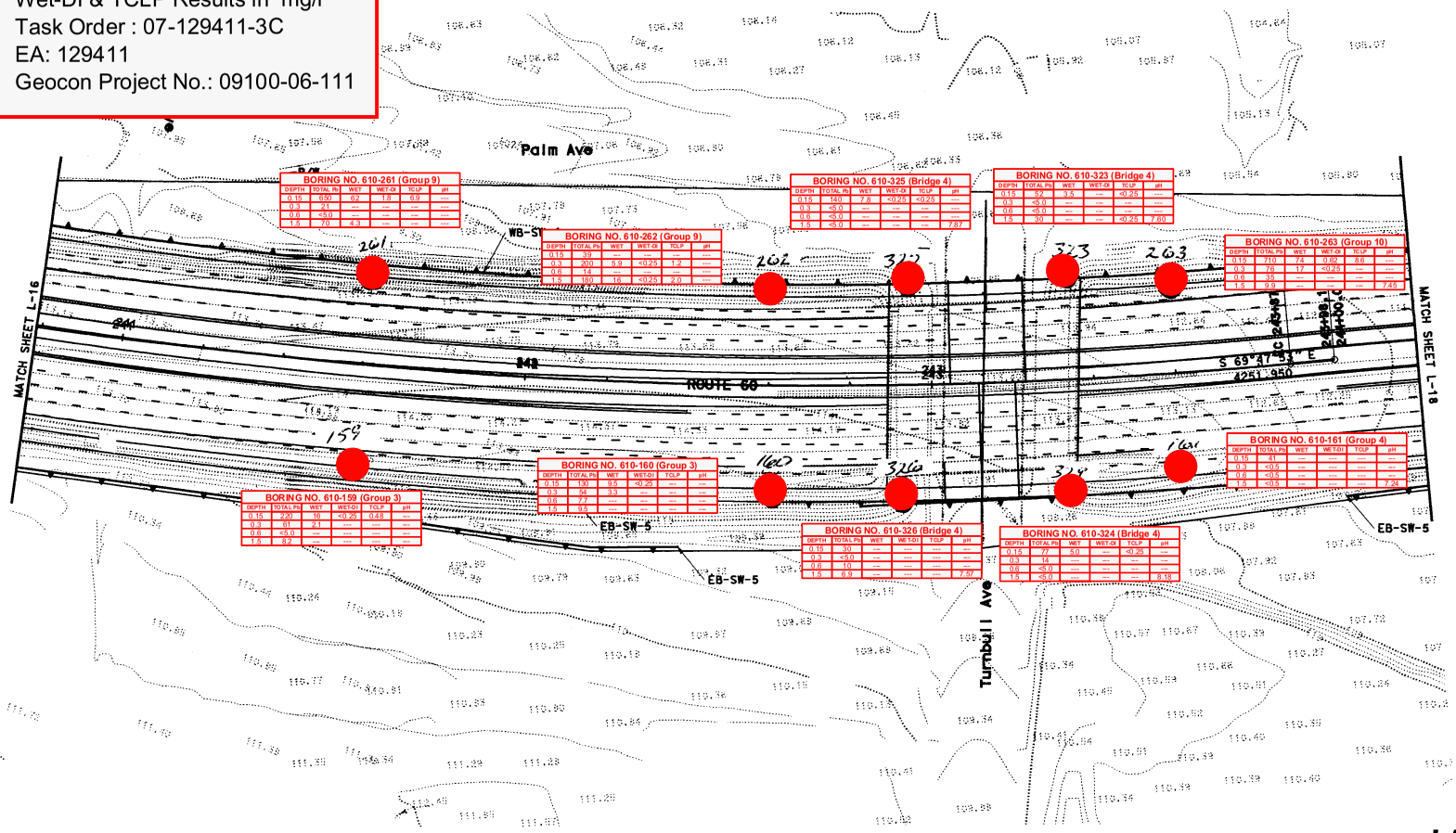
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-261 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	690	82	1.8	6.9	---
0.3	21	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	70	4.3	---	---	---

BORING NO. 610-262 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	39	---	---	---	---
0.3	200	5.9	<0.25	12	---
0.6	14	---	---	---	---
1.5	106	15	<0.25	2.0	---

BORING NO. 610-325 (Bridge 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	140	7.8	<0.25	<0.25	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	7.87

BORING NO. 610-323 (Bridge 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	52	3.5	---	<0.25	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	30	---	---	<0.25	7.60

BORING NO. 610-263 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	710	74	0.62	8.0	---
0.3	76	17	<0.25	---	---
0.6	35	---	---	---	---
1.5	93	---	---	---	7.45

BORING NO. 610-159 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	220	16	<0.25	0.48	---
0.3	61	2.1	---	---	---
0.6	<5.0	---	---	---	---
1.5	82	---	---	---	---

BORING NO. 610-160 (Group 3)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	190	9.5	<0.25	---	---
0.3	54	3.3	---	---	---
0.6	77	---	---	---	---
1.5	93	---	---	---	---

BORING NO. 610-326 (Bridge 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	30	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	10	---	---	---	---
1.5	6.9	---	---	---	7.57

BORING NO. 610-324 (Bridge 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	77	5.0	---	<0.25	---
0.3	14	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.18

BORING NO. 610-161 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	41	---	---	---	---
0.3	<0.5	---	---	---	---
0.6	<0.5	---	---	---	---
1.5	<0.5	---	---	---	7.24

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LAYOUT L-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

PROJECT ENGINEER

CALCULATED/DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED | DATE

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => ggobcon

CU 06231

EA 07-129401

LAST REVISION DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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GEOCON

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- Task Order : 07-129411-3C
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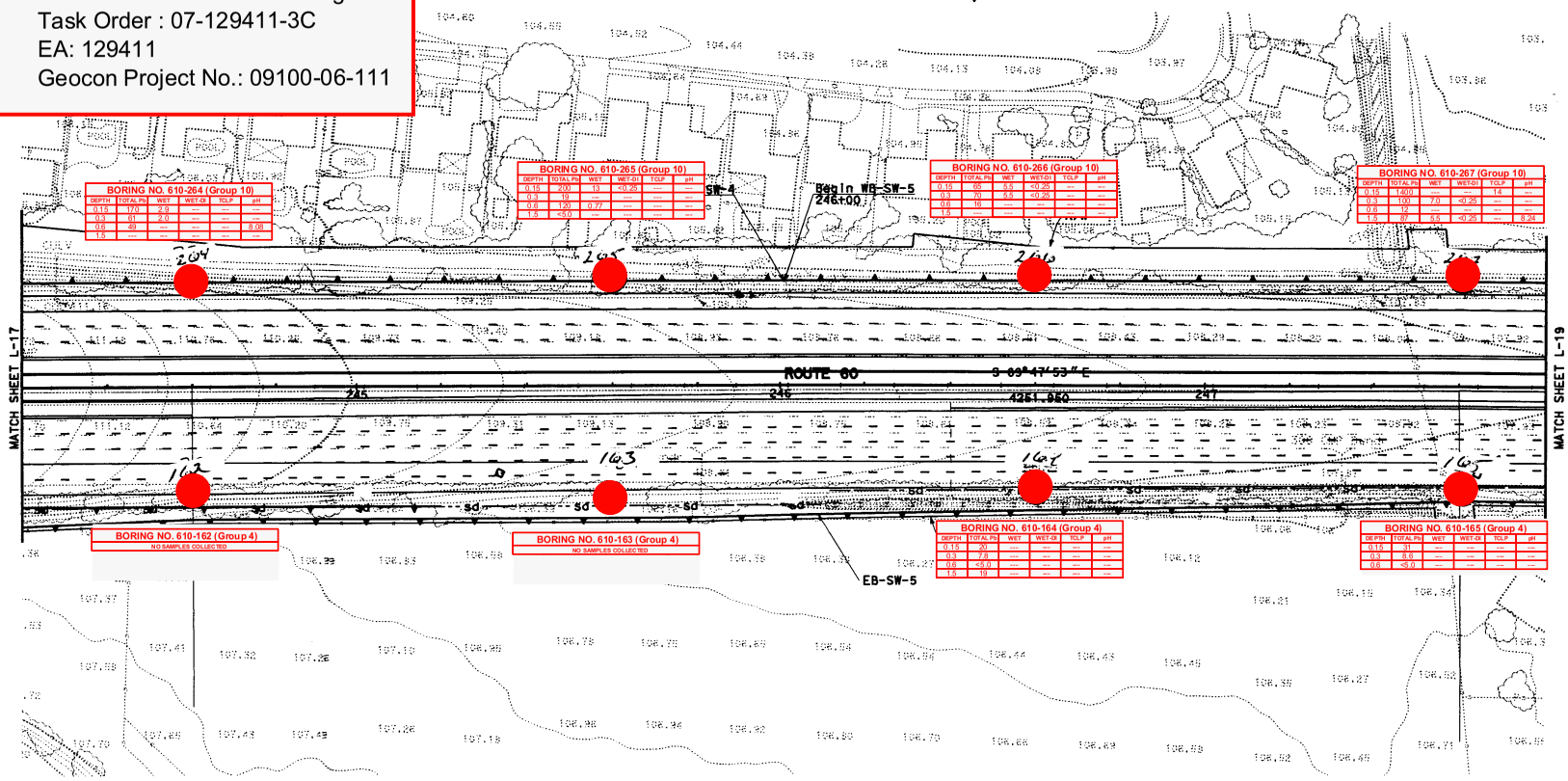

BORING NO. 610-264 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	170	2.9	---	---	---
0.3	61	2.0	---	---	---
0.6	49	---	---	---	8.08
1.5	---	---	---	---	---

BORING NO. 610-265 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	200	13	<0.25	---	---
0.3	19	---	---	---	---
0.6	120	0.77	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-266 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	65	5.5	<0.25	---	---
0.3	70	5.5	<0.25	---	---
0.6	16	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 610-267 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1400	---	---	14	---
0.3	100	7.0	<0.25	---	---
0.6	12	---	---	---	---
1.5	87	5.5	<0.25	---	8.24

BORING NO. 610-162 (Group 4)
NO SAMPLES COLLECTED

BORING NO. 610-163 (Group 4)
NO SAMPLES COLLECTED

BORING NO. 610-164 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	20	---	---	---	---
0.3	7.8	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	19	---	---	---	---

BORING NO. 610-165 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	31	---	---	---	---
0.3	8.6	---	---	---	---
0.6	<5.0	---	---	---	---

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LAYOUT L-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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PROJECT ENGINEER

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USERNAME => pgoh

DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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LEGEND

GEOCON

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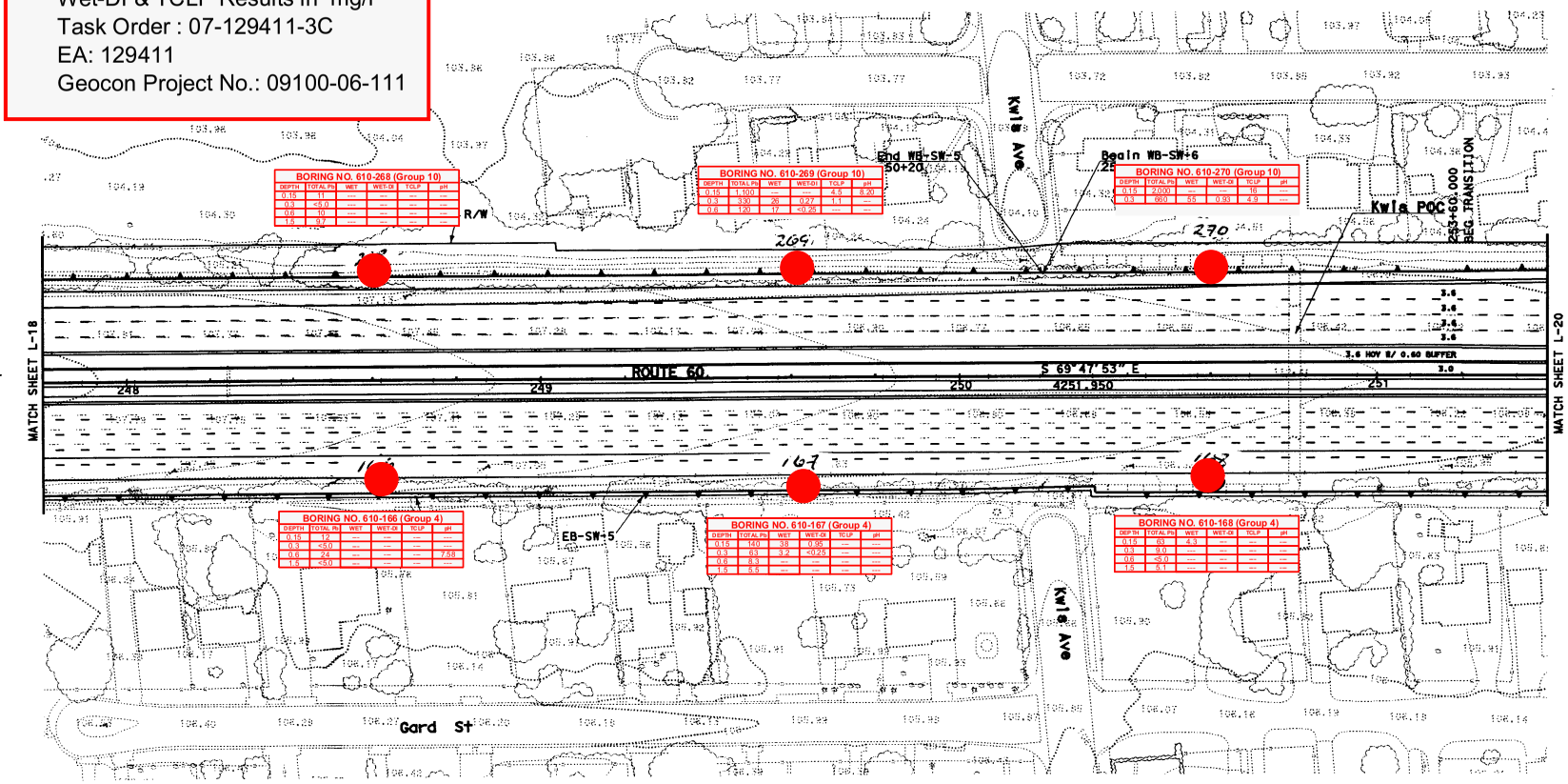

BORING NO. 610-268 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	11	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	10	---	---	---	---
1.5	9.7	---	---	---	---

BORING NO. 610-269 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,100	---	---	4.5	8.20
0.3	330	26	0.27	1.1	---
0.6	120	17	<0.25	---	---

BORING NO. 610-270 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	2,000	---	---	16	---
0.3	680	55	0.93	4.9	---

BORING NO. 610-166 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	12	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	24	---	---	---	7.58
1.5	<5.0	---	---	---	---

BORING NO. 610-167 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	140	38	0.95	---	---
0.3	63	3.2	<0.25	---	---
0.6	8.8	---	---	---	---
1.5	5.6	---	---	---	---

BORING NO. 610-168 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	63	4.3	---	---	---
0.3	9.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	5.1	---	---	---	---

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LAYOUT L-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LEGEND

GEOCON

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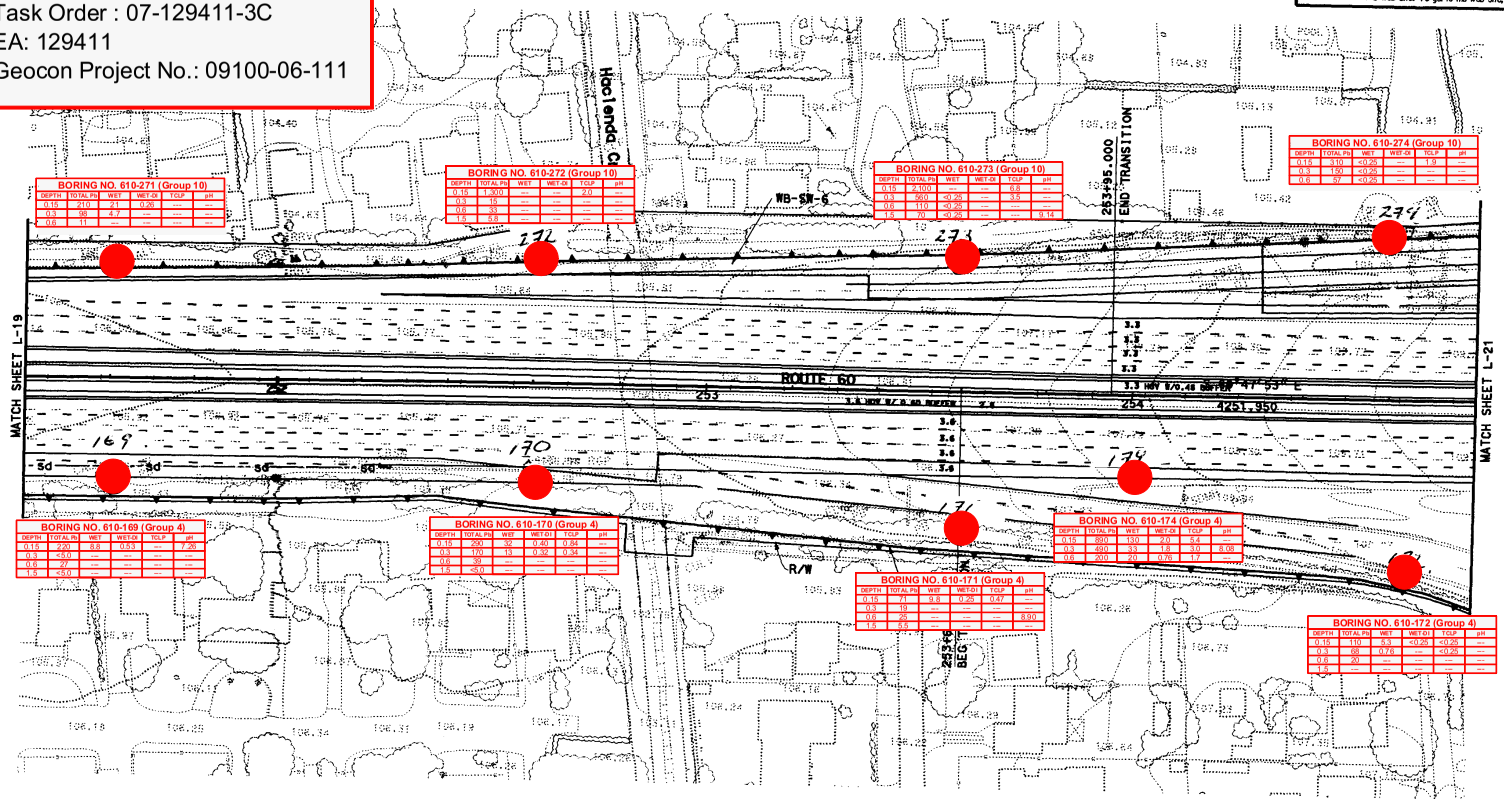

BORING NO. 610-271 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	21	0.26	---	---
0.3	98	4.7	---	---	---
0.6	11	---	---	---	---

BORING NO. 610-272 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,300	---	---	2.0	---
0.3	15	---	---	---	---
0.6	33	---	---	---	---
1.5	5.8	---	---	---	---

BORING NO. 610-273 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	2,100	---	---	6.8	---
0.3	560	<0.25	---	3.5	---
0.6	110	<0.25	---	---	---
1.5	70	<0.25	---	---	9.14

BORING NO. 610-274 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	310	<0.25	---	1.9	---
0.3	150	<0.25	---	---	---
0.6	57	<0.25	---	---	---

BORING NO. 610-169 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	220	8.8	0.53	---	7.26
0.3	<5.0	---	---	---	---
0.6	27	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-170 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	290	32	0.40	0.84	---
0.3	170	13	0.32	0.34	---
0.6	39	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-171 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	71	9.8	0.25	0.47	---
0.3	19	---	---	---	---
0.6	25	---	---	---	8.90
1.5	5.5	---	---	---	---

BORING NO. 610-174 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	890	130	2.0	5.4	---
0.3	490	33	1.8	3.0	8.08
0.6	200	20	0.76	1.7	---

BORING NO. 610-172 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	110	5.3	<0.25	<0.25	---
0.3	68	0.76	---	<0.25	---
0.6	20	---	---	---	---
1.5	---	---	---	---	---

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LAYOUT L-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

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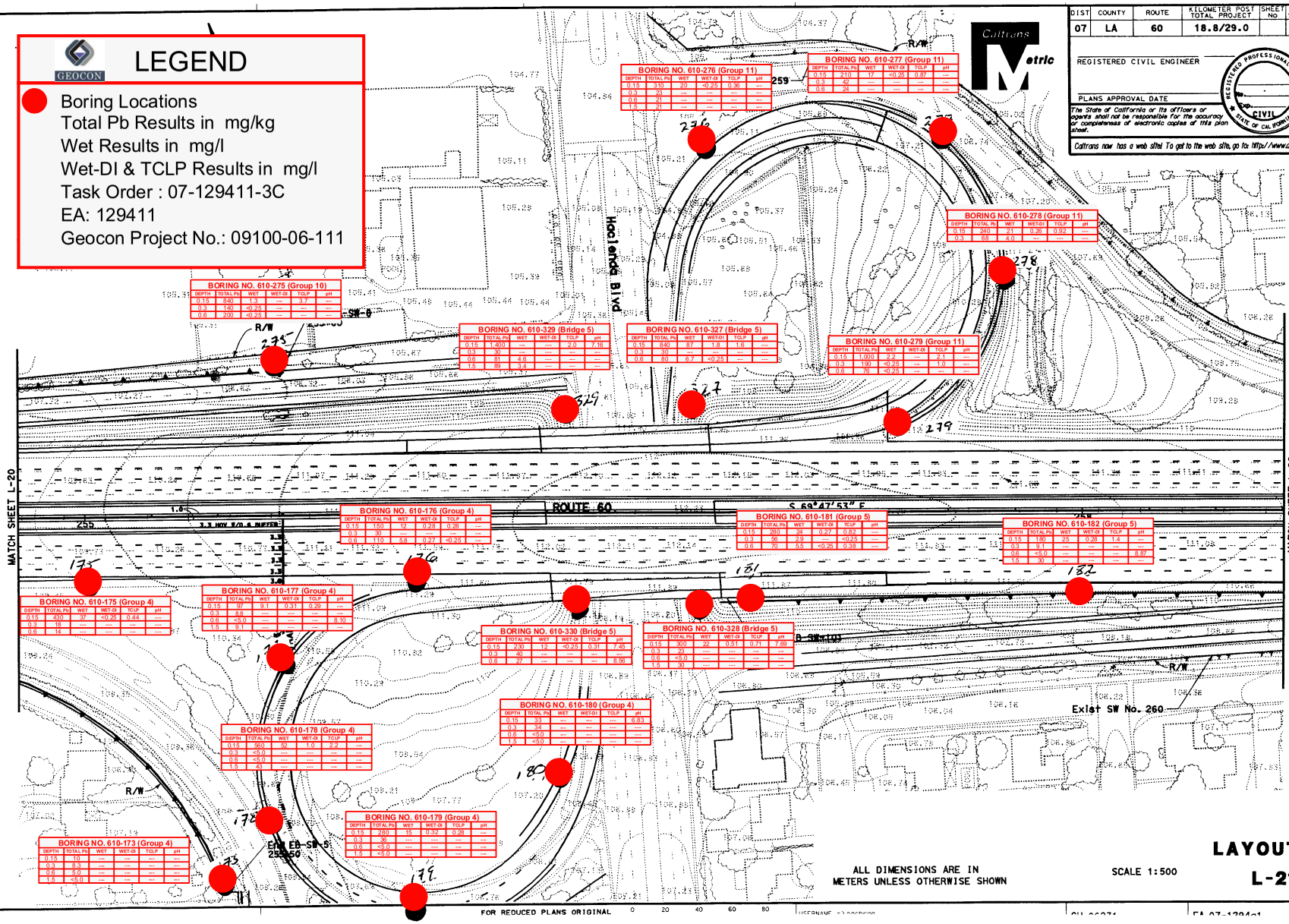
LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-276 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	310	20	<0.25	0.30	---
0.3	23	---	---	---	---
0.6	21	---	---	---	---
1.5	21	---	---	---	---

BORING NO. 610-277 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	17	<0.25	0.87	---
0.3	42	---	---	---	---
0.6	24	---	---	---	---

BORING NO. 610-278 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	240	21	0.26	0.92	---
0.3	68	4.0	---	---	---

BORING NO. 610-279 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,000	2.2	---	2.1	---
0.3	190	<0.25	---	1.0	---
0.6	76	<0.25	---	---	---

BORING NO. 610-275 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	840	1.5	---	3.7	---
0.3	140	<0.25	---	---	---
0.6	200	<0.25	---	---	---

BORING NO. 610-329 (Bridge 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1,400	---	---	2.0	7.16
0.3	30	---	---	---	---
0.6	81	4.6	---	---	---
1.5	88	---	---	---	---

BORING NO. 610-327 (Bridge 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	840	87	1.8	1.6	---
0.3	30	---	---	---	---
0.6	80	6.7	<0.25	---	---

BORING NO. 610-176 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	150	12	0.28	0.28	---
0.3	30	---	---	---	---
0.6	110	6.8	0.27	<0.25	---

BORING NO. 610-181 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	280	24	0.27	0.82	---
0.3	56	2.9	---	<0.25	---
0.6	70	5.5	<0.25	0.38	---

BORING NO. 610-182 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	180	25	0.28	1.4	---
0.3	9.1	---	---	---	---
0.6	<5.0	---	---	---	8.87
1.5	30	---	---	---	---

BORING NO. 610-175 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	420	37	<0.25	0.44	---
0.3	18	---	---	---	---
0.6	14	---	---	---	---

BORING NO. 610-177 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	97	9.1	0.31	0.29	---
0.3	8.8	---	---	---	---
0.6	<5.0	---	---	---	8.10
1.5	9.1	---	---	---	---

BORING NO. 610-330 (Bridge 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	230	12	<0.25	0.31	7.45
0.3	40	---	---	---	---
0.6	27	---	---	---	8.56

BORING NO. 610-328 (Bridge 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	300	22	0.51	0.71	7.69
0.3	23	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	30	---	---	---	---

BORING NO. 610-180 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	33	---	---	---	6.83
0.3	34	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-178 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	560	52	1.0	2.2	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	43	---	---	---	---

BORING NO. 610-179 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	280	15	0.32	0.28	---
0.3	30	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	---

BORING NO. 610-173 (Group 4)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	10	---	---	---	---
0.3	8.3	---	---	---	---
0.6	5.0	---	---	---	---
1.5	<5.0	---	---	---	---

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LAYOUT L-21

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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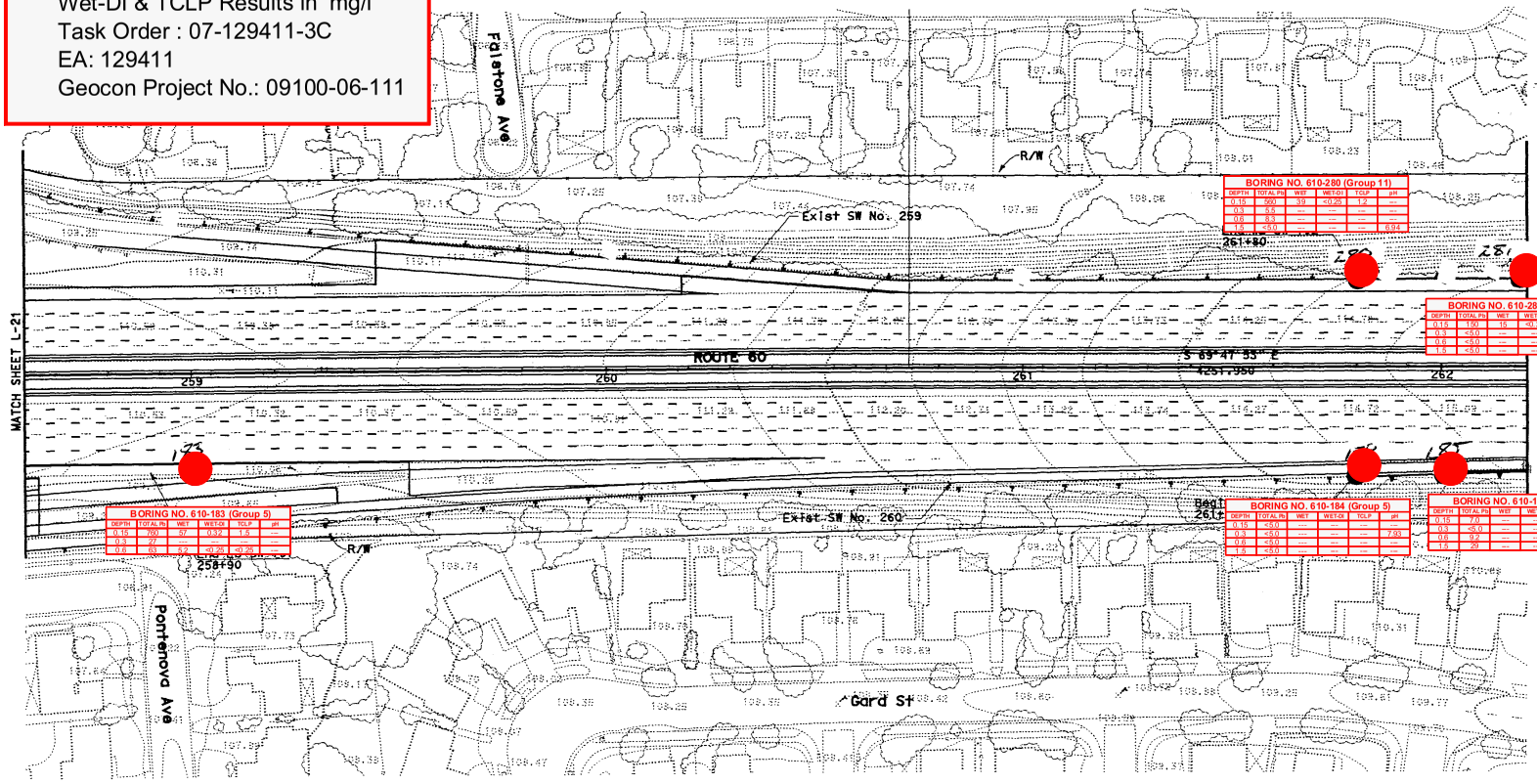

BORING NO. 610-280 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	560	39	<0.25	1.2	--
0.3	55	--	--	--	--
0.6	23	--	--	--	--
1.5	<5.0	--	--	--	6.94

BORING NO. 610-281 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	150	15	<0.25	--	--
0.3	<5.0	--	--	--	--
0.6	<5.0	--	--	--	--
1.5	<5.0	--	--	--	9.26

BORING NO. 610-183 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	700	57	0.32	1.5	--
0.3	27	--	--	--	--
0.6	63	--	--	--	--
1.5	27	--	0.26	0.29	--

BORING NO. 610-184 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	--	--	--	--
0.3	<5.0	--	--	--	7.93
0.6	<5.0	--	--	--	--
1.5	<5.0	--	--	--	--

BORING NO. 610-185 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	70	--	--	--	--
0.3	<5.0	--	--	--	--
0.6	92	--	--	--	--
1.5	29	--	--	--	--

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	60	18.8/29.0		

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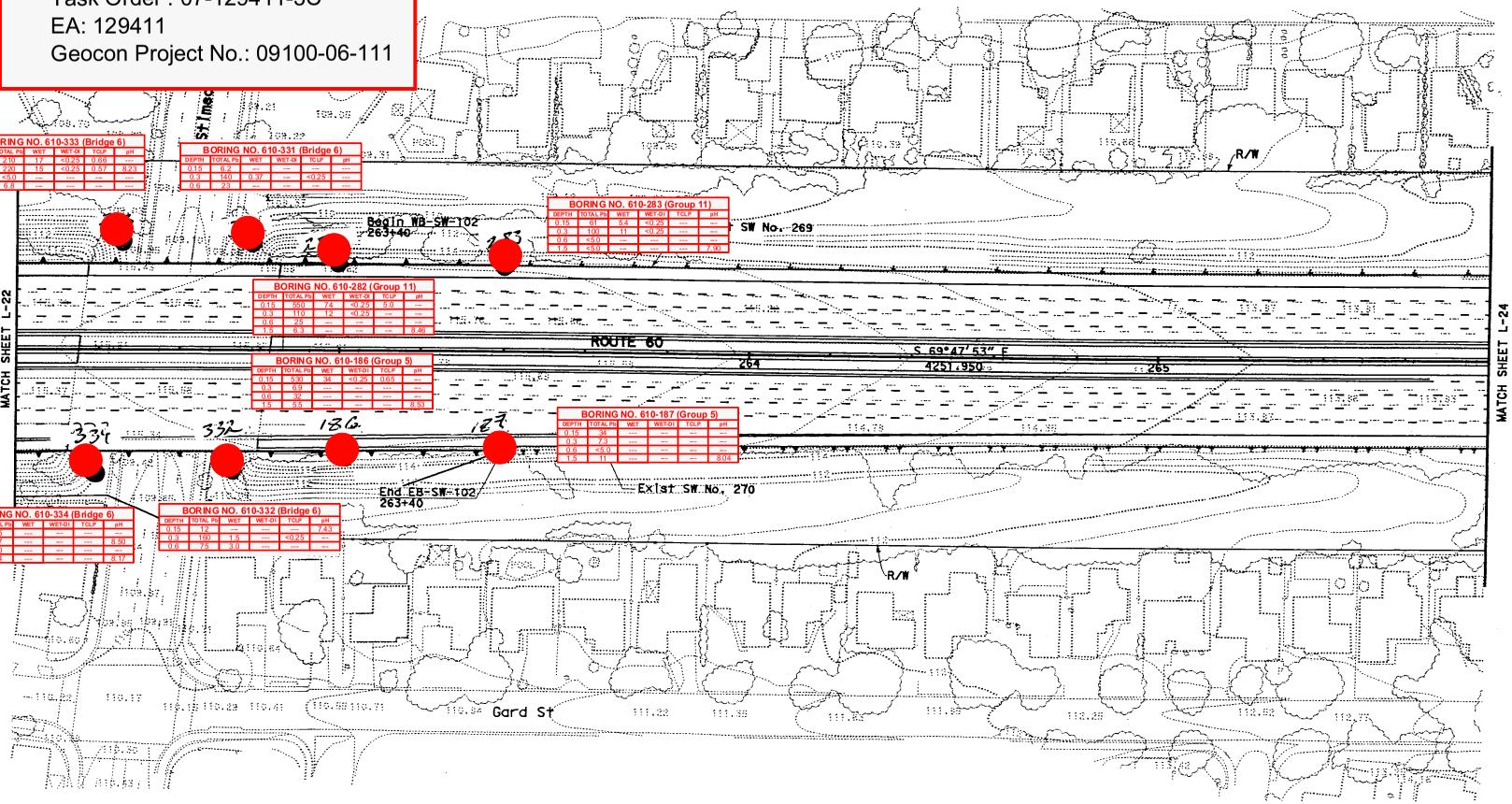

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LAYOUT L-23

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USERNAME => geocon

DATE PLOTTED => 03-NOV-2003

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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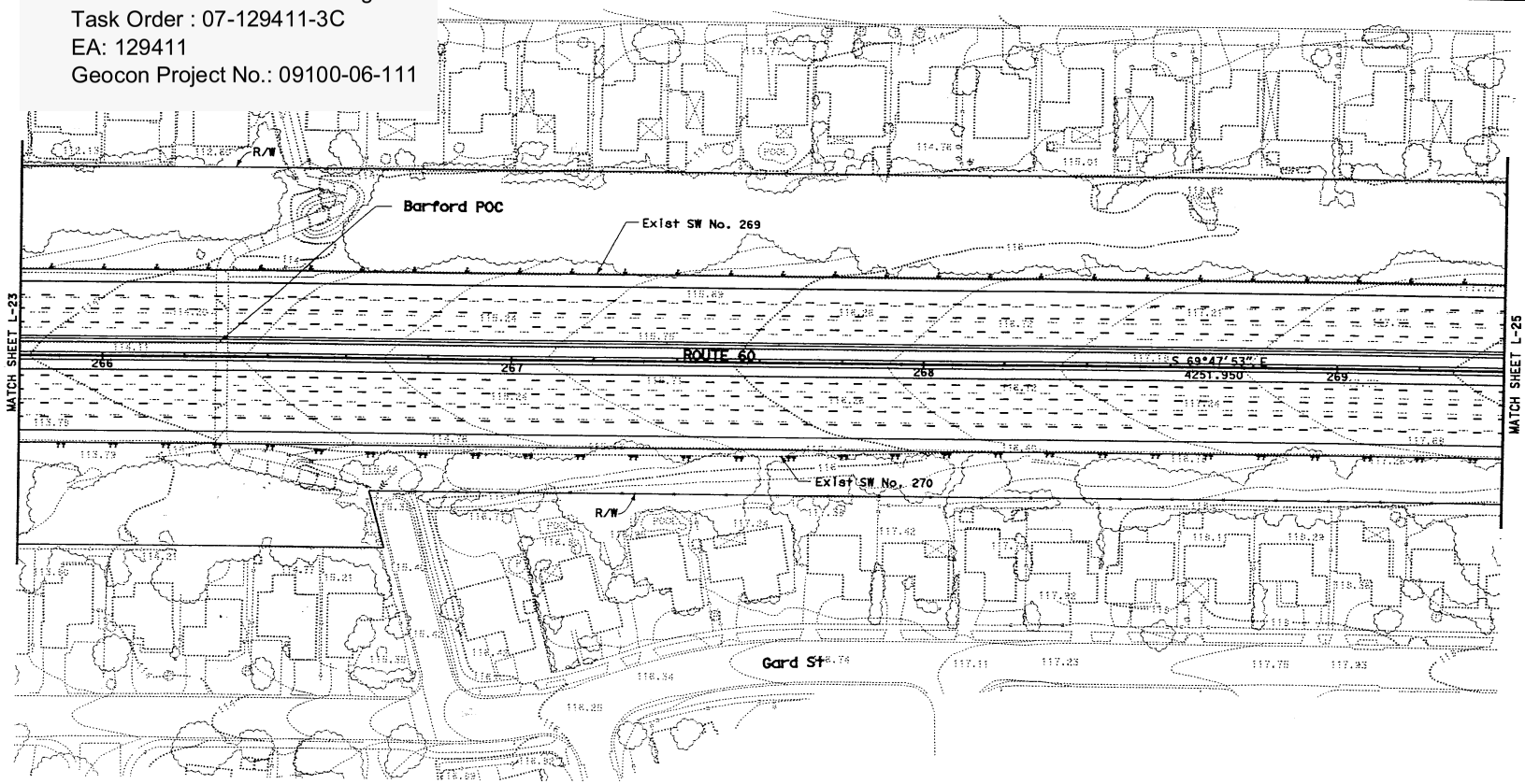

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LAYOUT L-24

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USERNAME => neoprion

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

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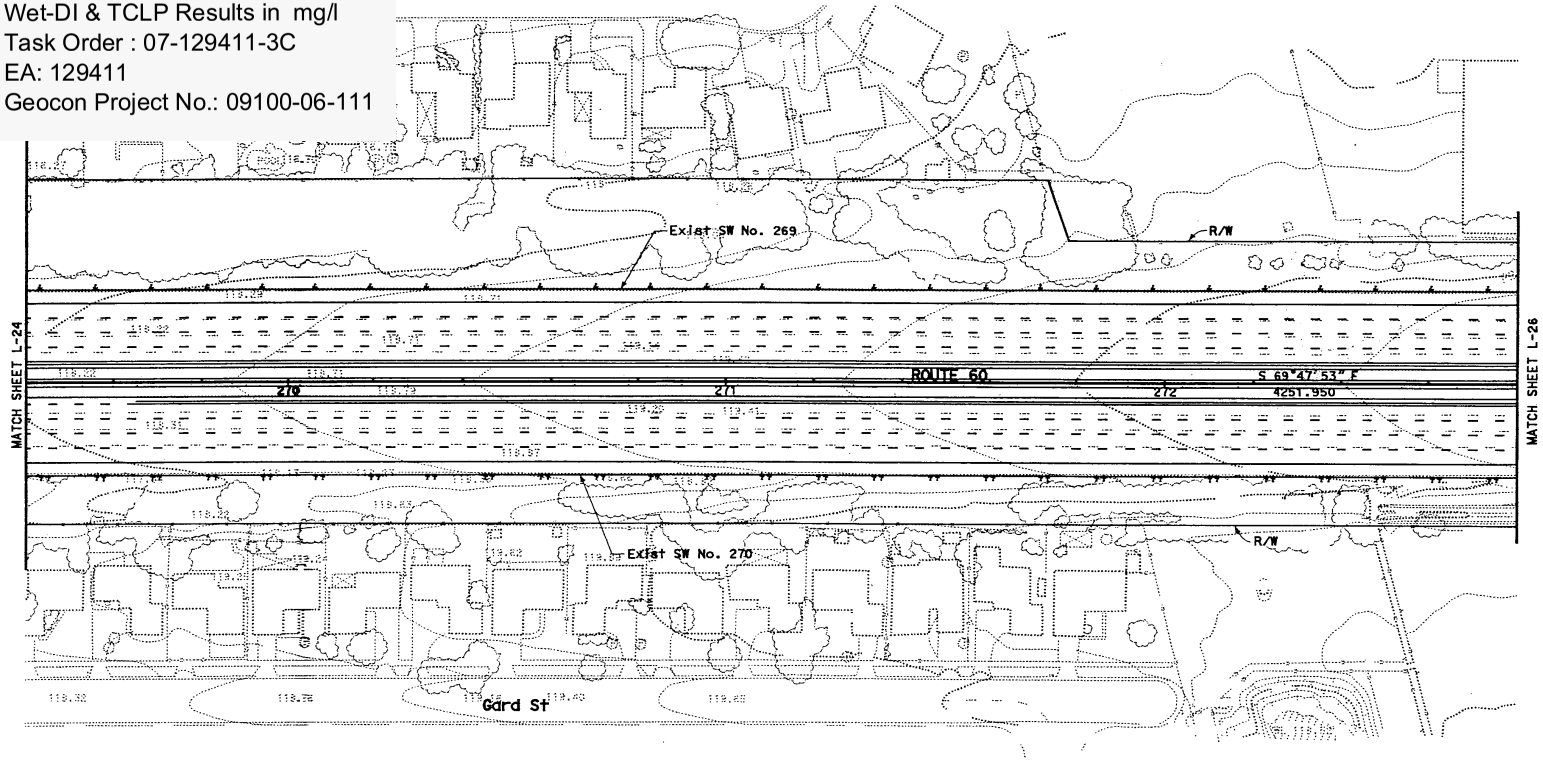

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LAYOUT

L-25

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	60	18.8/29.0		

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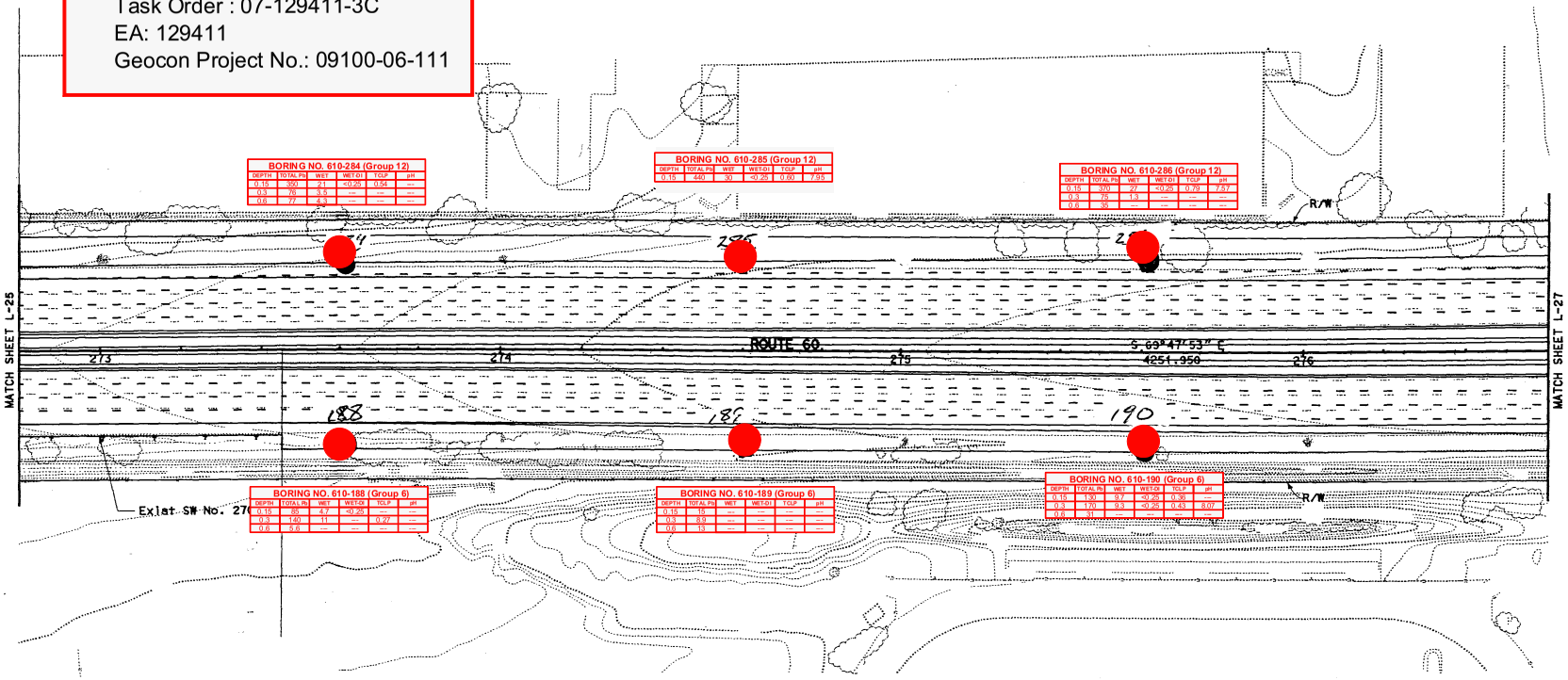

BORING NO. 610-284 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	350	21	<0.25	0.54	—
0.3	76	3.5	—	—	—
0.6	77	4.3	—	—	—

BORING NO. 610-285 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	440	30	<0.25	0.60	7.95

BORING NO. 610-286 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	370	27	<0.25	0.78	7.57
0.3	75	1.3	—	—	—
0.6	30	—	—	—	—

BORING NO. 610-188 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	85	4.7	<0.25	—	—
0.3	140	11	—	0.27	—
0.6	5.6	—	—	—	—

BORING NO. 610-189 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	15	—	—	—	—
0.3	89	—	—	—	—
0.6	13	—	—	—	—

BORING NO. 610-190 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	130	9.7	<0.25	0.36	—
0.3	170	9.3	<0.25	0.43	8.07
0.6	7.1	—	—	—	—

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LAYOUT L-26

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- Task Order : 07-129411-3C
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DIST	COUNTY	ROUTE	TOTAL PROJECT	NO	SHEETS
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BORING NO. 610-287 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	570	36	<0.25	0.51	---
0.3	26	---	---	---	---
0.6	19	---	---	---	---

BORING NO. 610-288 (Group 12)

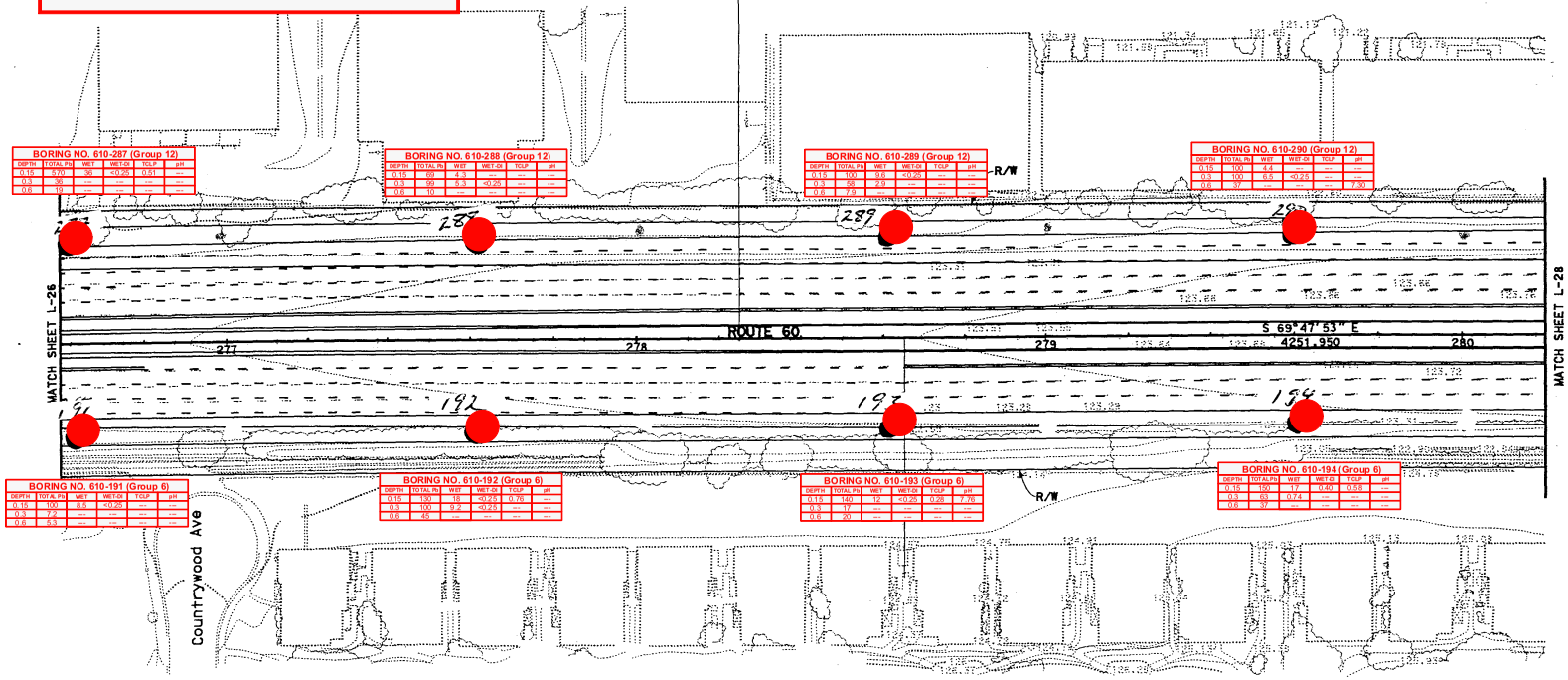
DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	69	4.3	---	---	---
0.3	99	5.3	<0.25	---	---
0.6	10	---	---	---	---

BORING NO. 610-289 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	9.6	<0.25	---	---
0.3	58	2.9	---	---	---
0.6	7.9	---	---	---	---

BORING NO. 610-290 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	4.4	---	---	---
0.3	100	6.6	<0.25	---	---
0.6	37	---	---	---	7.80



BORING NO. 610-191 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	8.5	<0.25	---	---
0.3	75	---	---	---	---
0.6	53	---	---	---	---

BORING NO. 610-192 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	130	18	<0.25	0.76	---
0.3	100	9.2	<0.25	---	---
0.6	45	---	---	---	---

BORING NO. 610-193 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	140	12	<0.25	0.28	7.76
0.3	17	---	---	---	---
0.6	20	---	---	---	---

BORING NO. 610-194 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	150	17	0.10	0.55	---
0.3	63	0.74	---	---	---
0.6	37	---	---	---	---

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LAYOUT L-27

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LEGEND

GEOCON

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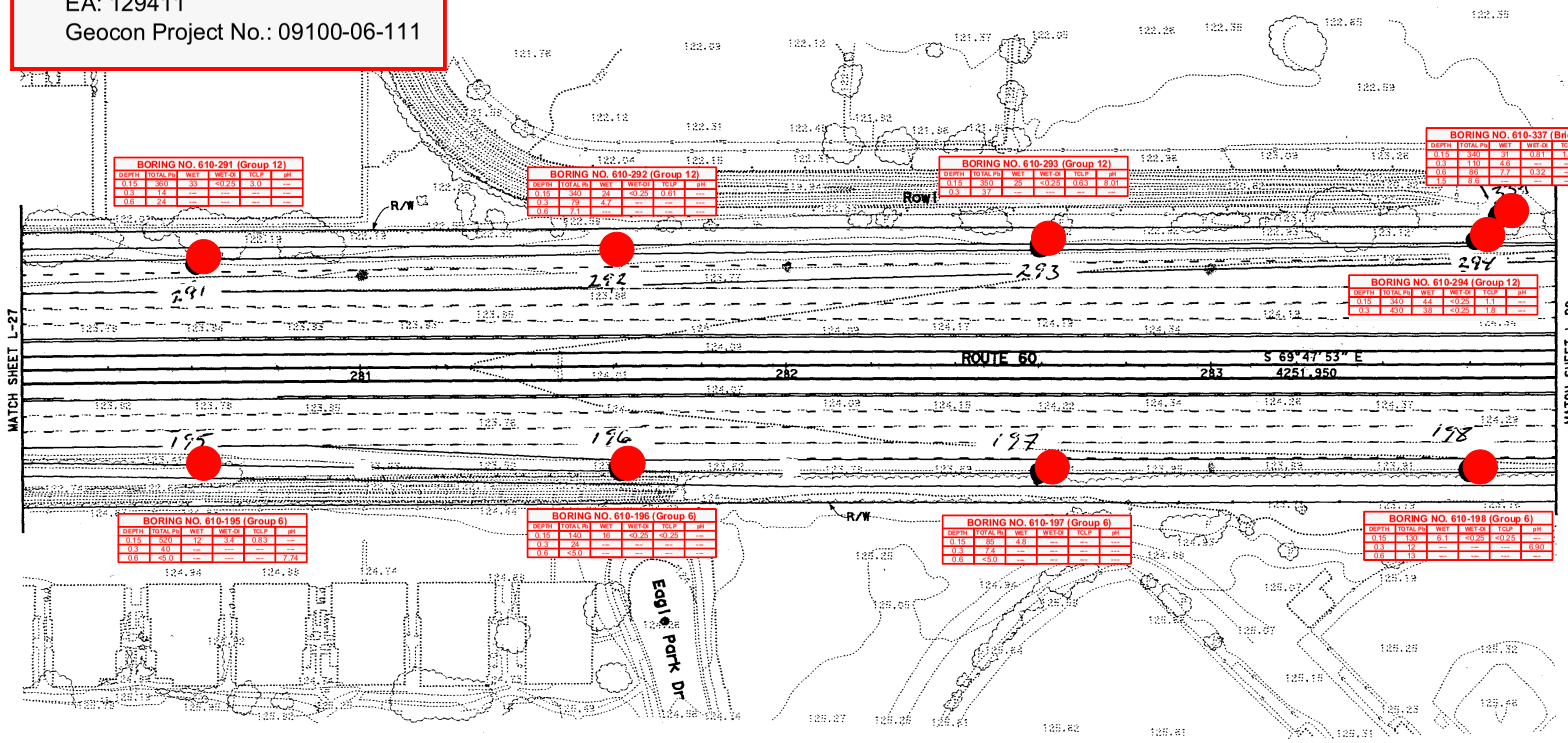

BORING NO. 610-291 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	360	33	<0.25	3.0	---
0.3	14	---	---	---	---
0.6	24	---	---	---	---

BORING NO. 610-292 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	340	24	<0.25	0.61	---
0.3	79	4.7	---	---	---
0.6	7.1	---	---	---	---

BORING NO. 610-293 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	350	25	<0.25	0.63	8.01
0.3	37	---	---	---	---

BORING NO. 610-337 (Bridge 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	340	31	0.81	1.1	---
0.3	110	4.6	---	---	8.13
0.6	86	7.7	0.32	---	---
1.5	8.6	---	---	---	7.78

BORING NO. 610-294 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	340	44	<0.25	1.1	---
0.3	430	38	<0.25	1.8	---

BORING NO. 610-195 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	520	12	3.4	0.83	---
0.3	40	---	---	---	---
0.6	<5.0	---	---	---	7.74

BORING NO. 610-196 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	140	16	<0.25	<0.25	---
0.3	24	---	---	---	---
0.6	<5.0	---	---	---	---

BORING NO. 610-197 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	85	4.8	---	---	---
0.3	7.4	---	---	---	---
0.6	<5.0	---	---	---	---

BORING NO. 610-198 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	130	6.1	<0.25	<0.25	---
0.3	12	---	---	---	6.90
0.6	13	---	---	---	---

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LAYOUT L-28

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USERNAME => ngobron

LAST REVISION 07-07-07 DATE PLOTTED => 03-NOV-2003

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

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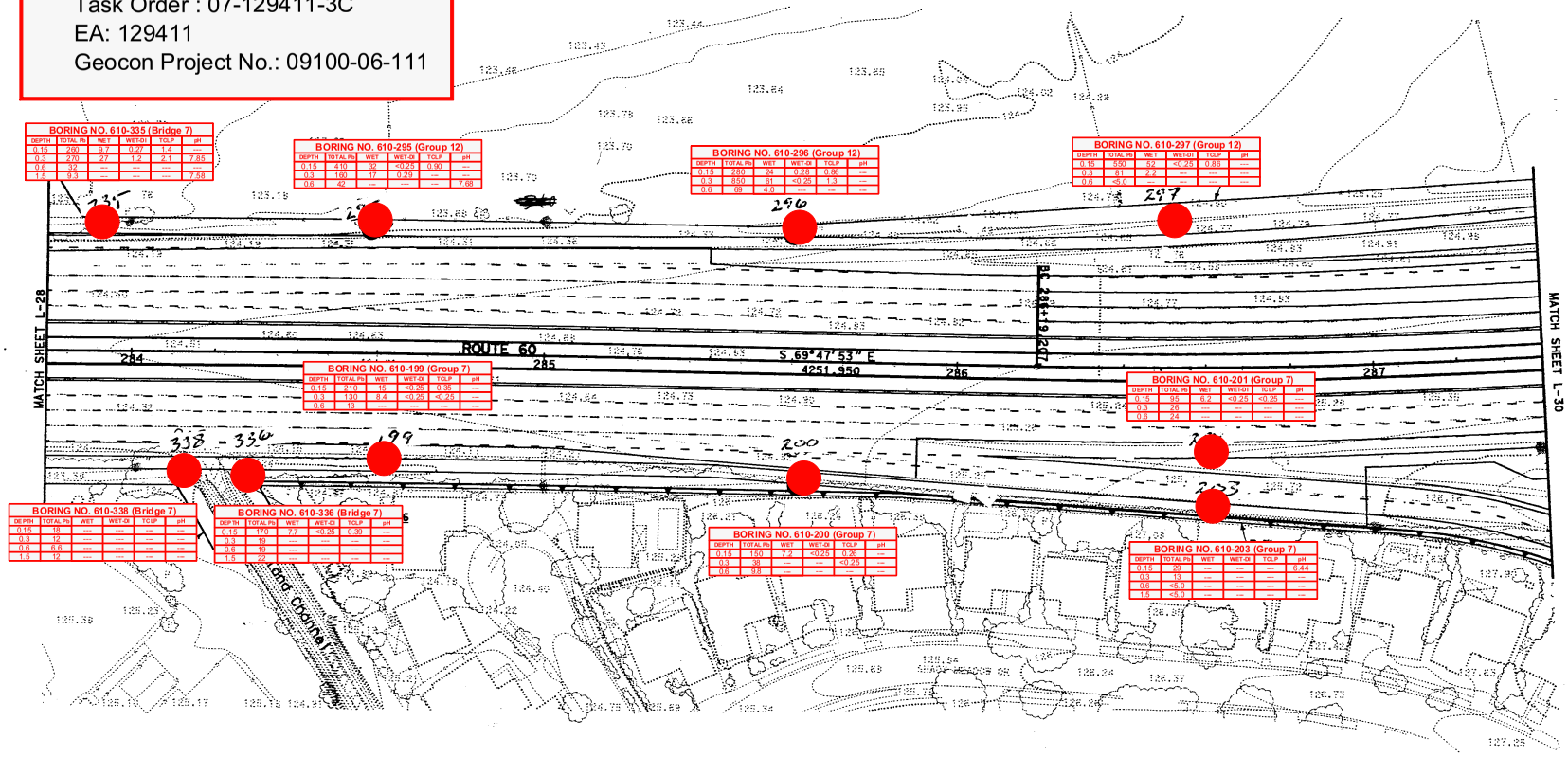
Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111



BORING NO. 610-335 (Bridge 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	260	9.7	0.27	1.4	---
0.3	270	27	1.2	2.1	7.85
0.6	32	---	---	---	---
1.5	9.3	---	---	---	7.58

BORING NO. 610-295 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	410	32	<0.25	0.90	---
0.3	160	17	0.29	---	---
0.6	42	---	---	---	7.68

BORING NO. 610-296 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	260	24	0.28	0.80	---
0.3	850	61	<0.25	1.3	---
0.6	69	4.0	---	---	---

BORING NO. 610-297 (Group 12)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	530	52	<0.25	0.86	---
0.3	81	2.2	---	---	---
0.6	<5.0	---	---	---	---

BORING NO. 610-199 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	15	<0.25	0.35	---
0.3	130	8.4	<0.25	<0.25	---
0.6	13	---	---	---	---

BORING NO. 610-201 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	95	6.2	<0.25	<0.25	---
0.3	26	---	---	---	---
0.6	24	---	---	---	---

BORING NO. 610-338 (Bridge 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	18	---	---	---	---
0.3	12	---	---	---	---
0.6	6.6	---	---	---	---
1.5	12	---	---	---	---

BORING NO. 610-336 (Bridge 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	170	7.7	<0.25	0.39	---
0.3	19	---	---	---	---
0.6	19	---	---	---	---
1.5	22	---	---	---	---

BORING NO. 610-200 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	150	7.2	<0.25	0.26	---
0.3	38	---	---	<0.25	---
0.6	9.8	---	---	---	---

BORING NO. 610-203 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	20	---	---	---	6.44
0.3	13	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	---

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SCALE 1:500

LAYOUT L-29

DATE	REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY

CHECKED BY

PROJECT ENGINEER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME = ccoopcon

DATE PLOTTED = 03-NOV-2003

LAST REVISION 07-07-07

EA 07-129411

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	18.8/29.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

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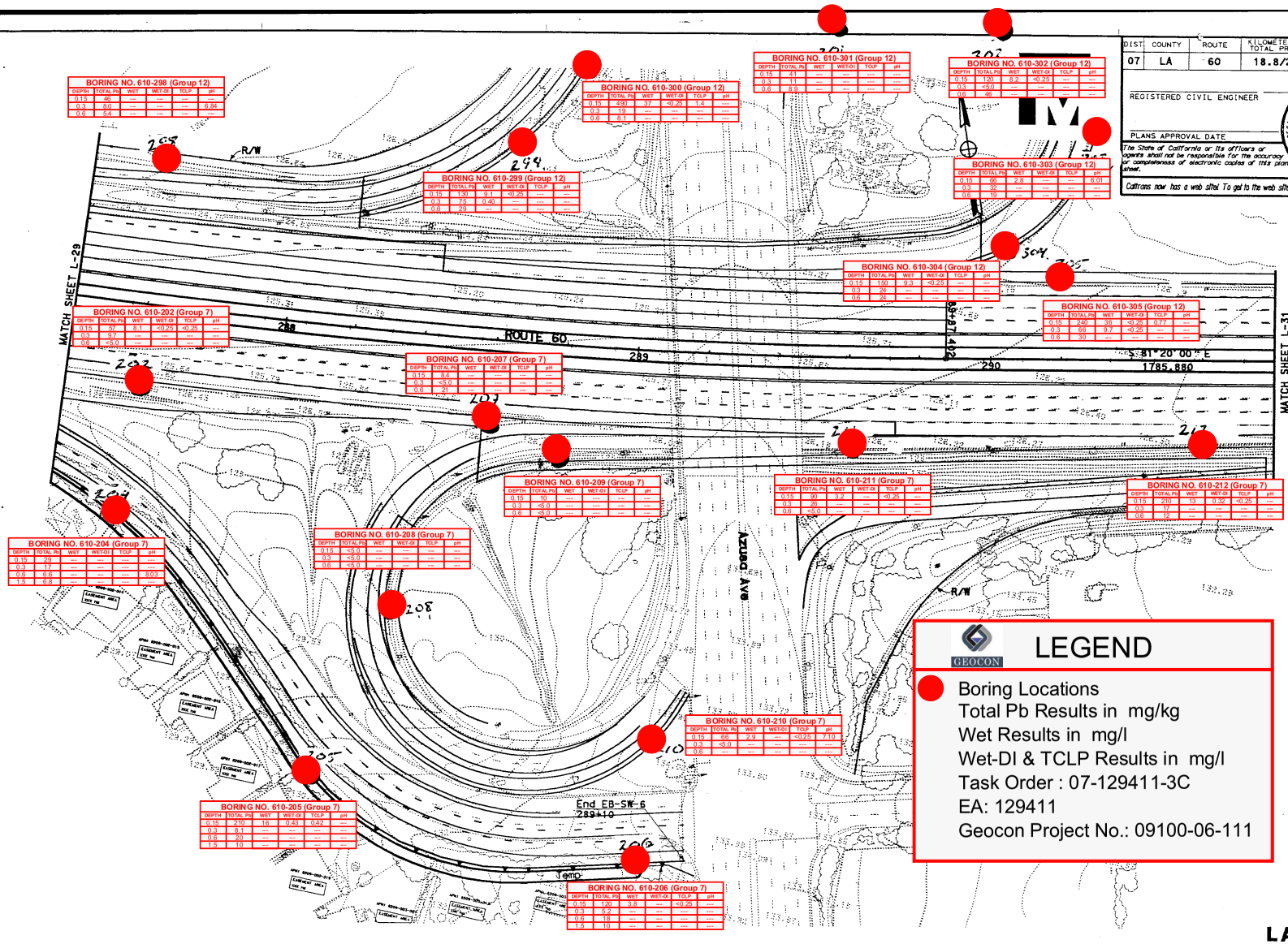

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	49	---	---	---	---
0.3	8.0	---	---	---	6.94
0.6	5.4	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	490	37	<0.25	1.4	---
0.3	19	---	---	---	---
0.6	8.1	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	130	9.1	<0.25	---	---
0.3	75	0.40	---	---	---
0.6	29	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	41	---	---	---	---
0.3	11	---	---	---	---
0.6	6.9	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1.20	8.2	<0.25	---	---
0.3	<5.0	---	---	---	---
0.6	46	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	68	2.8	---	---	6.01
0.3	32	---	---	---	---
0.6	18	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	150	9.3	<0.25	---	---
0.3	24	---	---	---	---
0.6	24	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	240	36	<0.25	0.77	---
0.3	66	9.7	<0.25	---	---
0.6	30	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	97	8.1	<0.25	<0.25	---
0.3	9.7	---	---	---	---
0.6	<5.0	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	6.4	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	21	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	90	3.2	---	---	---
0.3	26	---	---	---	---
0.6	<5.0	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	13	0.32	<0.25	---
0.3	17	---	---	---	---
0.6	12	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	29	---	---	---	---
0.3	17	---	---	---	---
0.6	6.6	---	---	---	8.03
1.5	6.8	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	66	2.9	---	<0.25	7.10
0.3	<5.0	---	---	---	---
0.6	---	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	16	0.43	0.42	---
0.3	8.1	---	---	---	---
0.6	20	---	---	---	---
1.5	10	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	120	3.8	---	<0.25	---
0.3	5.2	---	---	---	---
0.6	10	---	---	---	---
1.5	10	---	---	---	---

GEOCON

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SCALE 1:500

LAYOUT L-30

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DATE REVISED BY

DATE REVISED

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => geocon

DATE PLOTTED => 03-NOV-2003

TIME PLOTTED => 07:07

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	18.8/29.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

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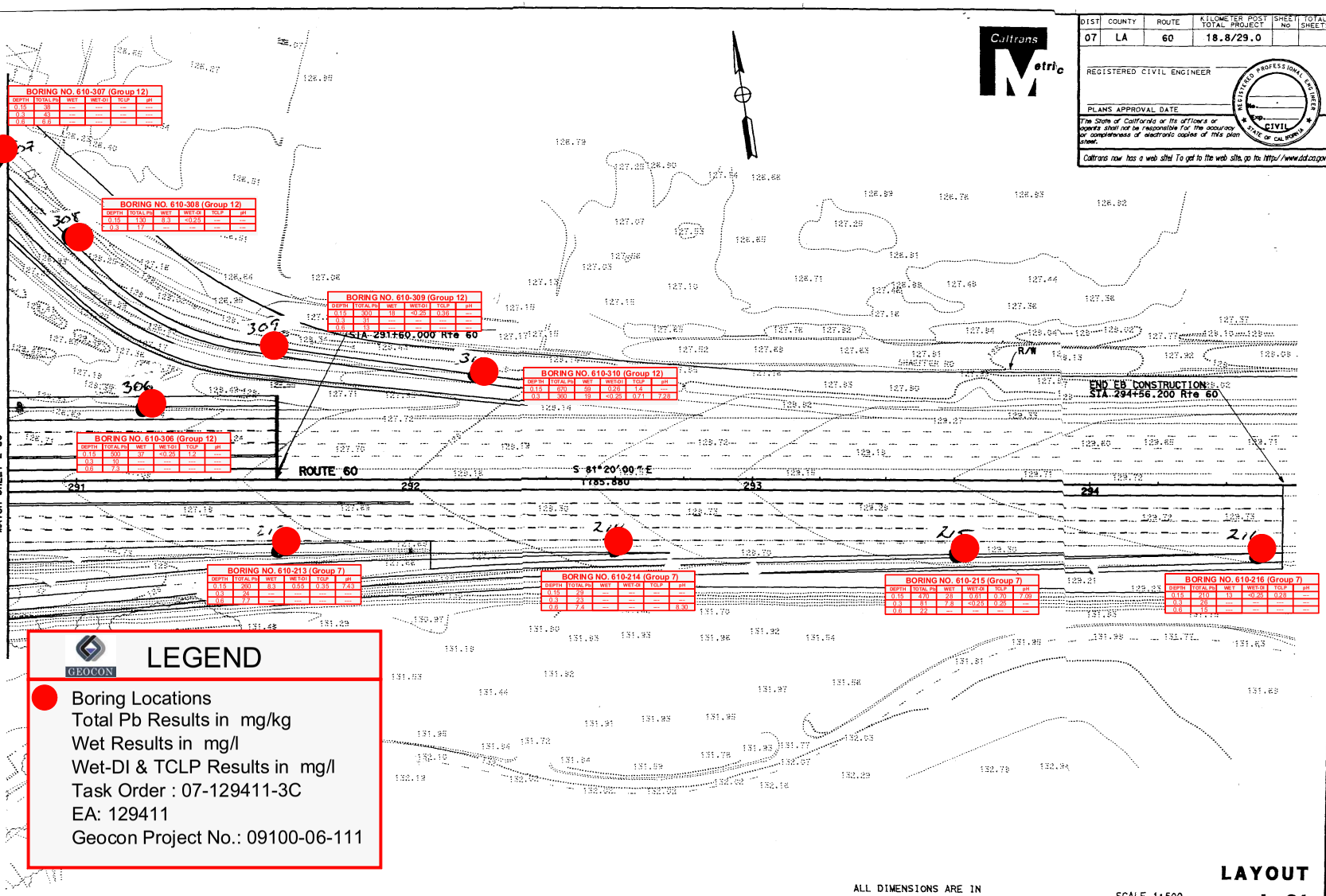
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

Caltrans Metric



DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	38	---	---	---	---
0.3	43	---	---	---	---
0.6	6.6	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	130	8.3	<0.25	---	---
0.3	17	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	300	18	<0.25	0.38	---
0.3	31	---	---	---	---
0.6	13	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	670	59	0.26	1.4	---
0.3	360	19	<0.25	0.71	7.28

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	500	37	<0.25	1.2	---
0.3	10	---	---	---	---
0.6	7.3	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	260	8.3	0.55	0.35	7.43
0.3	24	---	---	---	---
0.6	77	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	29	---	---	---	---
0.3	23	---	---	---	---
0.6	7.4	---	---	---	8.30

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	470	28	0.61	0.70	7.09
0.3	81	7.8	<0.25	0.29	---
0.6	22	---	---	---	---

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	13	<0.25	0.23	---
0.3	28	---	---	---	---
0.6	13	---	---	---	---

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129411
- Geocon Project No.: 09100-06-111

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

SCALE 1:500

LAYOUT L-31

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans PROJECT DEVELOPMENT

PROJECT ENGINEER

CALCULATED/DESIGNED BY

CHECKED BY

DATE REVISED BY

DATE REVISED

LAST REVISION 03-07-03

DATE PLOTTED => 03-NOV-2003

TIME PLOTTED => 10:03

FOR REDUCED PLANS ORIGINAL 0 20 40 60 80

USERNAME => ngodran

APPENDIX A

APPENDIX A

GEOCON CONSULTANTS, INC.
MODIFIED STANDARD OPERATING PROCEDURE (SOP) NO. 11
HAND-AUGERING AND SOIL SAMPLE COLLECTION/HANDLING

Purpose

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

Hand-Augering and Soil Sample Collection/Handling Procedures

1. Initiate boring using a hand-held 7.62 centimeter diameter stainless steel auger.

2. Advance boring to initial sample depth of approximately 0 to 0.15 m below the ground surface.

3. Transfer the soil sample from the hand auger into a plastic bag to homogenize the sample, transfer the sample from the plastic bag to a glass jar supplied by the laboratory. Label glass jar with the boring number, EA number, and sample depth.

4. Record the sample identification, time and date of sample collection, sample matrix type, turn-around time, and container type on the laboratory chain of custody.

5. Each prepared sample jar will be placed into a cooler for transport to Advanced Technology Laboratories.

6. Repeat the procedure and collect soil samples at subsequent depths as specified in the Task Order, if possible.

7. Backfill the borings to surface grade with soil cuttings generated.

8. Clean and rinse sampling equipment prior to the collection of each soil sample by washing the equipment with a trisodium phosphate solution followed by subsequent tap water and deionized water rinses.

9. Transport all samples to Advance Technology Laboratories under chain of custody control.

APPENDIX B

Advanced Technology Laboratories

June 7, 2004

Mr. Ron Kofron, CEG
Manager, Environmental Services
Geocon Consultants, Inc.
6970 Flanders Drive
San Diego, CA 92121

Re: Caltrans ADL Project - Geocon Project Route 60 KP 18.8-37.0/09100-06-111 - STLC WET/EPA 7420 Lead Analysis
ATL WO Nos. 067941, 067942, 067943, 067944, 067945, 067946, 067954, 067955, 067956, 067958, 067960, 067961, 067962, 067963, 067964, 067988, 067989, 067990, 067991, 068017, 068018, 068020, 068021, 068023, 068024, 068025, 068026, 068028, 068029, 068045, 068046, 068055, 068056, 068057, 068058, 068059, 068086, 068087, 068088, 068089, 068090

Dear Mr. Kofron,

Following is Advanced Technology Laboratories, Inc. (ATL) response to your e-mail inquiry on the Caltrans ADL Project - Geocon Project Route 60 KP 18.8-37.0/09100-06-111 on June 7, 2004 regarding the variation in the detection limits due to dilution for STLC WET/EPA 7420 Lead Analysis.

Laboratory protocol for STLC WET/EPA 7420 Lead Analysis sample is analyzed without any dilution unless visual assessment of the STLC extract warrants otherwise.

Dilution is done under the following conditions:

1. The result exceeds the calibration linear quantitation range.
2. The nature of the extract/matrix interferes with the analysis of the target analyte.

In specific regards to the Geocon Project Route 60 KP 18.8-37.0/09100-06-111 samples that required dilution, the values were high and exceeded the linear quantitation range and therefore must be diluted for the results to be within the curve and be validated.

If you have further question, please call (562) 989-4042.

Sincerely,

Eddie Rodriguez
Laboratory Director
Advanced Technology Laboratories

Mailing Address: P.O. Box 92797 Long Beach, CA 90809-2797
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562-989-4045 Fax: 562-989-6348

March 26, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067990

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/26/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-001A	610-101-S	1200	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-002A	610-101-0.3	22	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-003A	610-101-0.6	6.7	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-004A	610-102-S	8.9	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-005A	610-102-0.3	48	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-006A	610-102-0.6	37	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-007A	610-103-S	250	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-008A	610-103-0.3	30	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067990-009A	610-103-0.6	100	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-010A	610-104-S	6.8	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-011A	610-104-0.3	20	mg/Kg	17524	5	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/26/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-012A	610-104-0.6	30	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-013A	610-105-S	7.1	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-014A	610-105-0.3	140	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-015A	610-105-0.6	49	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-016A	610-106-S	170	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-017A	610-106-0.3	110	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-018A	610-106-0.6	120	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-019A	610-107-S	23	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-020A	610-107-0.3	15	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-021A	610-108-S	14	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-022A	610-108-0.3	11	mg/Kg	17524	5	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/26/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-023A	610-108-0.6	7.8	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-024A	610-109-S	8.3	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-025A	610-109-0.3	8.0	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067990-026A	610-109-0.6	24	mg/Kg	17524	5	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/26/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-001A	610-101-S	7.39	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067990-010A	610-104-S	7.54	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067990-020A	610-107-0.3	8.66	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067990-026A	610-109-0.6	8.44	pH Units	R36430	0.1	1	3/22/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-007A	610-103-S	19	mg/L	R36830	0.5	2	3/22/2004	4/6/2004
067990-009A	610-103-0.6	2.2	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067990-014A	610-105-0.3	0.49	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067990-016A	610-106-S	14	mg/L	R36830	0.5	2	3/22/2004	4/6/2004
067990-017A	610-106-0.3	2.0	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067990-018A	610-106-0.6	1.1	mg/L	R36830	0.25	1	3/22/2004	4/6/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-001A	610-101-S	5.6	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067990-007A	610-103-S	1.7	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067990-009A	610-103-0.6	ND	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067990-014A	610-105-0.3	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067990-016A	610-106-S	0.79	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067990-017A	610-106-0.3	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067990-018A	610-106-0.6	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-101-S
Lab Order:	067990		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067990-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	140	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	25	1.0		mg/Kg	1	4/5/2004
Cobalt	7.3	1.0		mg/Kg	1	4/5/2004
Copper	69	1.0		mg/Kg	1	4/5/2004
Lead	1100	1.0		mg/Kg	1	4/5/2004
Molybdenum	2.6	1.0		mg/Kg	1	4/5/2004
Nickel	19	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	28	1.0		mg/Kg	1	4/5/2004
Zinc	330	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401D	QC Batch: 17669			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067990
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067990-007A	610-103-S	ND	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067990-016A	610-106-S	0.43	mg/L	R37151	0.25	1	3/22/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *26-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17523A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541581**

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

Sample ID **MB-17523B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541595**

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

Sample ID **MB-17524A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541609**

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

Sample ID **MB-17524B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541623**

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

Sample ID **LCS-17523** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	247.9	5.0	250	0	99.2	80	120	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17524** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251.2	5.0	250	0	100	80	120	0	0		

Sample ID **067989-065AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541594**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.9	5.0	250	4.007	68	47	125	0	0		

Sample ID **067990-008AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **610-103-0.3** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.722	5.0	250	30.05	-9.73	47	125	0	0		S

Sample ID **067990-018AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **610-106-0.6** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541622**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	299.1	5.0	250	122.4	70.7	47	125	0	0		

Sample ID **067991-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	536.5	5.0	250	365.8	68.3	47	125	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067991-002AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	554.7	5.0	250	365.8	75.6	47	125	536.5	3.34	20	

Sample ID **067989-065ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.007	0	20	

Sample ID **067990-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **610-103-0.3** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.838	5.0	0	0	0	0	0	30.05	135	20	R

Sample ID **067990-018ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **610-106-0.6** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	288.7	5.0	0	0	0	0	0	122.4	80.9	20	R

Sample ID **067991-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	373.5	5.0	0	0	0	0	0	365.8	2.10	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067991-028ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325B**
Client ID: **ZZZZZ** Batch ID: **R36430** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.46	0.10	0	0	0	0	0	7.36	1.35	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17655** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547498**

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

Sample ID **MB-17655A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17655B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547527**

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

Sample ID **LCS-17655** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547526**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.075	0.25	5	0	102	80	120	0	0		

Sample ID **067990-016AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **610-106-S** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.62	0.50	5	14.21	108	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068017-003AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.29	0.50	5	6.737	131	70	130	0	0		S

Sample ID **067990-016ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **610-106-S** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.11	0.50	0	0	0	0	0	14.21	16.0	20	

Sample ID **068017-003ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547523**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.143	0.25	0	0	0	0	0	6.737	26.8	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17713A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547305**

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

Sample ID **MB-17713B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547306**

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

Sample ID **MB-17691A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547307**

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

Sample ID **MB-17691B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547308**

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

Sample ID **MB-17714A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547335**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17714B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547336**

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

Sample ID **MB-17692A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547337**

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

Sample ID **MB-17692B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547338**

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

Sample ID **LCS-17713** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.156	0.25	1	0	116	80	120	0	0		

Sample ID **LCS-17714** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067989-040AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.786	0.25	2.5	3.035	110	70	130	0	0		

Sample ID **067990-009AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **610-103-0.6** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547333**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.765	0.25	2.5	0.07617	108	70	130	0	0		

Sample ID **067991-017AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Sample ID **067989-040ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.946	0.25	0	0	0	0	0	3.035	2.99	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067990-009ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **610-103-0.6** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547332**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.07617	0	20	

Sample ID **067991-017ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1037	0	20	

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2055	0	20	

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Date: *09-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17695** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546997**

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

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17669** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545033**

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

Sample ID **LCS-17669** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.708	0.10	2.08	0	82.1	80	120	0	0		

Sample ID **067964-005AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.772	0.10	0.83	0.1528	74.6	62	146	0	0		

Sample ID **067964-005AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7803	0.10	0.83	0.1528	75.6	62	146	0.772	1.07	30	

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1685	0.10	0	0	0	0	0	0.1528	9.74	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17818** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552812**

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

Sample ID **MB-17818A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552813**

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

Sample ID **MB-17818B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552827**

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

Sample ID **LCS-17818** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.242	0.25	5	0	105	80	120	0	0		

Sample ID **067989-042AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.581	0.25	5	0.2414	107	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067990
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067991-003AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.576	0.25	5	0.2245	107	70	130	0	0		

Sample ID **067989-042ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2609	0.25	0	0	0	0	0	0.2414	7.76	20	

Sample ID **067991-003ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2245	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
017990-001	610-101-S		3/22	1214	soil	1	X
-002	610-101-0.3		↓	1214			↓
-003	610-101-0.6			1218			
-004	610-102-S			1214			
-005	610-102-0.3			1213			
-006	610-102-0.6			1225			
-007	610-103-S			1344			
-008	610-103-0.3			1344			
-009	610-103-0.6			1349			
-010	610-104-S		↓	1423			↓

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-22-04	5:15p
[signature]	[signature] 032304	3-22-04	9:45p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
711	610- 104-0.3		3/22/04	1425	soil	1	X
712	610- 104-0.6			1427			
713	610- 105-S			1423			
714	610- 105-0.3			1425			
715	610- 105-0.6			1427			
716	610- 106-S			1541			
717	610- 106-0.3			1543			
718	610- 106-0.6			1545			
719	610- 107-S			1541			
720	610- 107-0.3			1550			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 3 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
01	610-108-S		3/22/04	1603	soil	1	X
02	610-108-0.3			1607			↓
03	610-108-0.6			1612			↓
04	610-109-S			1603			↓
05	610-109-0.3			1607			↓
06	610-109-0.6			1611			↓
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15P
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	9:45P
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068020

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-001A	610-110-S	1800	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-002A	610-110-0.3	130	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-003A	610-110-0.6	110	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-004A	610-111-S	170	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-005A	610-111-0.3	87	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-006A	610-111-0.6	23	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-007A	610-112-S	35	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-008A	610-112-0.3	20	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-009A	610-112-0.6	56	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-010A	610-113-S	14	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-011A	610-113-0.3	8.2	mg/Kg	17541	5	1	3/23/2004	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-012A	610-113-0.6	ND	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-013A	610-114-S	38	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-014A	610-114-0.3	13	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-015A	610-114-0.6	20	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-016A	610-115-S	26	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-017A	610-115-0.3	ND	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-018A	610-116-S	12	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068020-019A	610-116-0.3	ND	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-020A	610-116-0.6	ND	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-021A	610-117-S	18	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-022A	610-117-0.3	7.3	mg/Kg	17542	5	1	3/23/2004	3/27/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-023A	610-117-0.6	8.1	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-024A	610-118-S	230	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-025A	610-118-0.3	36	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-026A	610-118-0.6	9.2	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-027A	610-119-S	34	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-028A	610-119-0.3	43	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068020-029A	610-119-0.6	9.7	mg/Kg	17542	5	1	3/23/2004	3/27/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-014A	610-114-0.3	8.70	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068020-028A	610-119-0.3	8.13	pH Units	R36448	0.1	1	3/23/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-002A	610-110-0.3	11	mg/L	R36832	0.5	2	3/23/2004	4/6/2004
068020-003A	610-110-0.6	7.4	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068020-004A	610-111-S	12	mg/L	R36832	0.5	2	3/23/2004	4/6/2004
068020-005A	610-111-0.3	5.2	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068020-009A	610-112-0.6	2.9	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068020-024A	610-118-S	26	mg/L	R36832	1.2	5	3/23/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-001A	610-110-S	0.59	mg/L	17714	0.25	1	3/23/2004	4/5/2004
068020-002A	610-110-0.3	ND	mg/L	17714	0.25	1	3/23/2004	4/5/2004
068020-003A	610-110-0.6	0.31	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068020-004A	610-111-S	ND	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068020-005A	610-111-0.3	ND	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068020-009A	610-112-0.6	ND	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068020-024A	610-118-S	0.58	mg/L	17715	0.25	1	3/23/2004	4/5/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-110-S
Lab Order:	068020		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068020-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	2.1	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	180	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	2.1	1.0		mg/Kg	1	4/5/2004
Chromium	37	1.0		mg/Kg	1	4/5/2004
Cobalt	6.9	1.0		mg/Kg	1	4/5/2004
Copper	170	1.0		mg/Kg	1	4/5/2004
Lead	620	1.0		mg/Kg	1	4/5/2004
Molybdenum	8.3	1.0		mg/Kg	1	4/5/2004
Nickel	31	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	25	1.0		mg/Kg	1	4/5/2004
Zinc	510	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	0.25	0.10		mg/Kg	1	4/4/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068020
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068020-002A	610-110-0.3	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068020-003A	610-110-0.6	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068020-004A	610-111-S	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068020-005A	610-111-0.3	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068020-024A	610-118-S	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17541A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542041**

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

Sample ID **MB-17541B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542055**

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

Sample ID **MB-17542A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542069**

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

Sample ID **MB-17542B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542083**

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

Sample ID **LCS-17541** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.8	5.0	250	0	104	80	120	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17542** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542070**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.5	5.0	250	0	99.8	80	120	0	0		

Sample ID **068020-008AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **610-112-0.3** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222.5	5.0	250	19.83	81.1	47	125	0	0		

Sample ID **068020-018AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **610-116-S** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	205.1	5.0	250	12.16	77.2	47	125	0	0		

Sample ID **068020-028AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **610-119-0.3** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.6	5.0	250	42.92	83.9	47	125	0	0		

Sample ID **068021-009AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542095**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	185.8	5.0	250	14.83	68.4	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068020-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **610-112-0.3** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	28.06	5.0	0	0	0	0	0	19.83	34.4	20	R

Sample ID **068020-018ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **610-116-S** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.41	5.0	0	0	0	0	0	12.16	50.7	20	R

Sample ID **068020-028ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **610-119-0.3** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.25	5.0	0	0	0	0	0	42.92	17.7	20	

Sample ID **068021-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.36	5.0	0	0	0	0	0	14.83	26.5	20	R

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CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068020-014ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325C**
Client ID: **610-114-0.3** Batch ID: **R36447** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.64	0.10	0	0	0	0	0	8.7	0.692	20	

Sample ID **068023-003ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325D**
Client ID: **ZZZZZ** Batch ID: **R36448** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.88	0.10	0	0	0	0	0	7.9	0.253	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17656** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547535**

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

Sample ID **MB-17656A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547536**

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

Sample ID **MB-17656B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547549**

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

Sample ID **LCS-17656** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547563**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.999	0.25	5	0	100	80	120	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **610-110-0.3** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.73	0.50	5	10.99	94.6	70	130	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068021-025AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	127.7	5.0	5	127.6	2.2	70	130	0	0		S

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **610-110-0.3** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.44	0.50	0	0	0	0	0	10.99	4.00	20	

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	96.47	5.0	0	0	0	0	0	127.6	27.8	20	R

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17714A	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/5/2004	Run ID:	AA2_040405C
Client ID:	ZZZZZ	Batch ID:	17714	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/5/2004	SeqNo:	547335

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

Sample ID	MB-17714B	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/5/2004	Run ID:	AA2_040405C
Client ID:	ZZZZZ	Batch ID:	17714	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/5/2004	SeqNo:	547336

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

Sample ID	MB-17692A TCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/5/2004	Run ID:	AA2_040405C
Client ID:	ZZZZZ	Batch ID:	17714	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/5/2004	SeqNo:	547337

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

Sample ID	MB-17692B TCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/5/2004	Run ID:	AA2_040405C
Client ID:	ZZZZZ	Batch ID:	17714	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/5/2004	SeqNo:	547338

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

Sample ID	MB-17715A	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/5/2004	Run ID:	AA2_040405D
Client ID:	ZZZZZ	Batch ID:	17715	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/5/2004	SeqNo:	547365

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

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17715B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547366**

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

Sample ID **MB-17693A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547367**

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

Sample ID **MB-17693B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547368**

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

Sample ID **LCS-17714** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

Sample ID **LCS-17715** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547369**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.032	0.25	1	0	103	80	120	0	0		

Qualifiers:
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H - Sample exceeded holding time

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067991-017AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **610-110-0.3** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Sample ID **068021-025AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.571	0.25	2.5	9.383	-112	70	130	0	0		S

Sample ID **068028-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.67	1.2	2.5	21.21	218	70	130	0	0		S

Sample ID **067991-017ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1037	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **610-110-0.3** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2055	0	20	

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.674	0.25	0	0	0	0	0	9.383	3.05	20	

Sample ID **068028-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.09	1.2	0	0	0	0	0	21.21	20.7	20	R

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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17695** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546997**

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

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **610-110-S** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

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Work Order: 068020
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **610-110-S** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **610-110-S** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **610-110-S** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17683	MBLK	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546498

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17683	LCS	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546499

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.08	0.10	2.08	0	100	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001AMS	MS	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546501

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.217	0.10	0.83	0.1425	129	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001AMSD	MSD	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546502

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.215	0.10	0.83	0.1425	129	62	146	1.217	0.137	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001ADUP	DUP	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546500

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.195	0.10	0	0	0	0	0	0.1425	31.1	30	R

Qualifiers:
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H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17819** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553612**

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

Sample ID **MB-17819A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553615**

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

Sample ID **MB-17819B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553645**

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

Sample ID **LCS17819** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.085	0.25	5	0	102	80	120	0	0		

Sample ID **068018-007AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.447	0.25	5	0.3197	103	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
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DO- Surrogate dilute out
H - Sample exceeded holding time

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068020
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068021-026AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.294	0.25	5	3.366	98.6	70	130	0	0		

Sample ID **068018-007ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2775	0.25	0	0	0	0	0	0.3197	14.1	20	

Sample ID **068021-026ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553667**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.688	0.25	0	0	0	0	0	3.366	22.4	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See ~~Page 1~~ Add to Group 1 from 3/22/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403120 - 001	610- 110-S		3/23/04	938	soil	1	X
- 002	610- 110-0.3			939			
- 003	610- 110-0.6			942			
- 004	610- 111-S			938			
- 005	610- 111-0.3			939			
- 006	610- 111-0.6			944			
- 007	610- 112-S			944			
- 008	610- 112-0.3			945			
- 009	610- 112-0.6			949			
- 010	610- 113-S			955			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	8:30p
	03/23/04	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068020 - 011	610- 113-0.3		3/23/04	956	soil	1	X
- 012	610- 113-0.6			958			
- 013	610- 114-S			1017			
- 014	610- 114-0.3			1019			
- 015	610- 114-0.6			1022			
- 016	610- 115-S			1017			
- 017	610- 115-0.3			1022			
- 018	610- 116-S			1047			
- 019	610- 116-0.3			1057			
- 020	610- 116-0.6			1055			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	8:00p
[signature]	[signature]	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403020-071	610-117-5		3/23/04	1055	soil	1	X
-072	610-117-0.3			1102			
-073	610-117-0.4			1105			
-074	610-118-5			1115			
-075	610-118-0.3			1116			
-076	610-118-0.4			1119			
-077	610-119-5			1115			
-078	610-119-0.3			1116			
-079	610-119-0.4			1118			
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	8:30p
		3-23-04	8:30p

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068021

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-001A	610-120-S	100	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-002A	610-120-0.3	21	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-003A	610-120-0.6	ND	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-004A	610-121-S	45	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-005A	610-121-0.3	ND	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-006A	610-121-0.6	ND	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-007A	610-122-S	46	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-008A	610-122-0.3	5.7	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-009A	610-122-0.6	15	mg/Kg	17542	5	1	3/23/2004	3/27/2004
068021-010A	610-123-S	18	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-011A	610-123-0.3	ND	mg/Kg	17543	5	1	3/23/2004	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-012A	610-123-0.6	ND	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-013A	610-124-S	46	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-014A	610-124-0.3	16	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-015A	610-124-0.6	ND	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-016A	610-125-S	63	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-017A	610-125-0.3	12	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-018A	610-125-0.6	8.3	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-019A	610-126-S	170	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-020A	610-126-0.3	40	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-021A	610-126-0.6	ND	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-022A	610-127-S	1400	mg/Kg	17543	5	1	3/23/2004	3/27/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-023A	610-127-0.3	210	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-024A	610-127-0.6	7.0	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-025A	610-128-S	940	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-026A	610-128-0.3	190	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-027A	610-128-0.6	950	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-028A	610-129-S	740	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-029A	610-129-0.3	36	mg/Kg	17543	5	1	3/23/2004	3/27/2004
068021-030A	610-129-0.6	10	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-031A	610-130-S	320	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-032A	610-130-0.3	26	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-033A	610-130-0.6	14	mg/Kg	17544	5	1	3/23/2004	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-034A	610-131-S	160	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-035A	610-131-0.3	13	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-036A	610-131-0.6	ND	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-037A	610-132-S	37	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-038A	610-132-0.3	11	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-039A	610-133-S	140	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-040A	610-133-0.3	ND	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-041A	610-134-S	350	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-042A	610-134-0.3	12	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-043A	610-135-S	230	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-044A	610-135-0.3	7.8	mg/Kg	17544	5	1	3/23/2004	3/27/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-045A	610-135-0.6	8.5	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-046A	610-136-S	31	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-047A	610-136-0.3	ND	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-048A	610-136-0.6	5.1	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-049A	610-137-S	7.7	mg/Kg	17544	5	1	3/23/2004	3/27/2004
068021-050A	610-137-0.3	20	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068021-051A	610-137-0.6	31	mg/Kg	17545	5	1	3/23/2004	3/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-010A	610-123-S	8.25	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068021-020A	610-126-0.3	8.04	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068021-030A	610-129-0.6	8.72	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068021-040A	610-133-0.3	7.40	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068021-050A	610-137-0.3	7.79	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068021-051A	610-137-0.6	7.93	pH Units	R36448	0.1	1	3/23/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-001A	610-120-S	8.6	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068021-016A	610-125-S	6.4	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068021-019A	610-126-S	9.7	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068021-023A	610-127-0.3	2.6	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068021-025A	610-128-S	130	mg/L	R36832	5	20	3/23/2004	4/6/2004
068021-026A	610-128-0.3	68	mg/L	R36835	5	20	3/23/2004	4/6/2004
068021-027A	610-128-0.6	110	mg/L	R36835	5	20	3/23/2004	4/6/2004
068021-028A	610-129-S	91	mg/L	R36835	5	20	3/23/2004	4/6/2004
068021-031A	610-130-S	16	mg/L	R36835	0.5	2	3/23/2004	4/6/2004
068021-034A	610-131-S	17	mg/L	R36835	0.5	2	3/23/2004	4/6/2004
068021-039A	610-133-S	11	mg/L	R36835	0.5	2	3/23/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-041A	610-134-S	22	mg/L	R36835	1.2	5	3/23/2004	4/6/2004
068021-043A	610-135-S	24	mg/L	R36835	1.2	5	3/23/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-001A	610-120-S	2.2	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-019A	610-126-S	0.26	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-022A	610-127-S	7.6	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-023A	610-127-0.3	ND	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-025A	610-128-S	9.4	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-026A	610-128-0.3	12	mg/L	17715	0.5	2	3/23/2004	4/5/2004
068021-027A	610-128-0.6	19	mg/L	17715	0.5	2	3/23/2004	4/5/2004
068021-028A	610-129-S	4.3	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-031A	610-130-S	0.52	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-034A	610-131-S	0.61	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-039A	610-133-S	0.34	mg/L	17715	0.25	1	3/23/2004	4/5/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-041A	610-134-S	1.2	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068021-043A	610-135-S	0.62	mg/L	17715	0.25	1	3/23/2004	4/5/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-127-S
Lab Order:	068021		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068021-022A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405A	QC Batch: 17696			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	100	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	22	1.0		mg/Kg	1	4/5/2004
Cobalt	5.7	1.0		mg/Kg	1	4/5/2004
Copper	110	1.0		mg/Kg	1	4/5/2004
Lead	1600	1.0		mg/Kg	1	4/5/2004
Molybdenum	2.1	1.0		mg/Kg	1	4/5/2004
Nickel	16	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	21	1.0		mg/Kg	1	4/5/2004
Zinc	350	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	0.11	0.10		mg/Kg	1	4/4/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-128-S
Lab Order:	068021		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068021-025A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405A	QC Batch: 17696			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	83	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	27	1.0		mg/Kg	1	4/5/2004
Cobalt	5.8	1.0		mg/Kg	1	4/5/2004
Copper	50	1.0		mg/Kg	1	4/5/2004
Lead	1100	1.0		mg/Kg	1	4/5/2004
Molybdenum	2.1	1.0		mg/Kg	1	4/5/2004
Nickel	18	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	22	1.0		mg/Kg	1	4/5/2004
Zinc	220	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/4/2004

Qualifiers:

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- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-001A	610-120-S	0.27	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068021-016A	610-125-S	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068021-019A	610-126-S	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068021-025A	610-128-S	3.7	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068021-026A	610-128-0.3	3.4	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068021-027A	610-128-0.6	4.5	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068021-028A	610-129-S	3.9	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068021-031A	610-130-S	0.31	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068021-034A	610-131-S	0.31	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068021-039A	610-133-S	0.27	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068021-041A	610-134-S	0.73	mg/L	R37195	0.25	1	3/23/2004	4/16/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068021
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068021-043A	610-135-S	ND	mg/L	R37195	0.25	1	3/23/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17542A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542069**

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

Sample ID **MB-17542B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542083**

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

Sample ID **MB-17543A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327D**
Client ID: **ZZZZZ** Batch ID: **17543** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542097**

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

Sample ID **MB-17543B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327D**
Client ID: **ZZZZZ** Batch ID: **17543** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542111**

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

Sample ID **MB-17544A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327E**
Client ID: **ZZZZZ** Batch ID: **17544** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542125**

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

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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17544B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040327E
Client ID:	ZZZZZ	Batch ID:	17544	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/27/2004	SeqNo:	542139

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

Sample ID	MB-17545A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040328A
Client ID:	ZZZZZ	Batch ID:	17545	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/28/2004	SeqNo:	542153

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

Sample ID	MB-17545B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040328A
Client ID:	ZZZZZ	Batch ID:	17545	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/28/2004	SeqNo:	542167

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

Sample ID	LCS-17542	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040327C
Client ID:	ZZZZZ	Batch ID:	17542	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/27/2004	SeqNo:	542070

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.5	5.0	250	0	99.8	80	120	0	0		

Sample ID	LCS-17543	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040327D
Client ID:	ZZZZZ	Batch ID:	17543	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/27/2004	SeqNo:	542098

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	248.8	5.0	250	0	99.5	80	120	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17544** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327E**
Client ID: **ZZZZZ** Batch ID: **17544** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	239.8	5.0	250	0	95.9	80	120	0	0		

Sample ID **LCS-17545** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542154**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.1	5.0	250	0	100	80	120	0	0		

Sample ID **068020-028AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.6	5.0	250	42.92	83.9	47	125	0	0		

Sample ID **068021-009AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **610-122-0.6** Batch ID: **17542** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542095**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	185.8	5.0	250	14.83	68.4	47	125	0	0		

Sample ID **068021-019AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327D**
Client ID: **610-126-S** Batch ID: **17543** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542110**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	302.9	5.0	250	174	51.5	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068021-029AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327D**
Client ID: **610-129-0.3** Batch ID: **17543** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220.3	5.0	250	35.5	73.9	47	125	0	0		

Sample ID **068021-039AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327E**
Client ID: **610-133-S** Batch ID: **17544** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	344.4	5.0	250	144.5	80	47	125	0	0		

Sample ID **068021-049AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327E**
Client ID: **610-137-S** Batch ID: **17544** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.2	5.0	250	7.677	75	47	125	0	0		

Sample ID **068024-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	172	5.0	250	3.013	67.6	47	125	0	0		

Sample ID **068024-012AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	336	5.0	250	4.398	133	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068020-028ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **ZZZZZ** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.25	5.0	0	0	0	0	0	42.92	17.7	20	

Sample ID **068021-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327C**
Client ID: **610-122-0.6** Batch ID: **17542** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.36	5.0	0	0	0	0	0	14.83	26.5	20	R

Sample ID **068021-019ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327D**
Client ID: **610-126-S** Batch ID: **17543** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542109**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	142.4	5.0	0	0	0	0	0	174	20.0	20	R

Sample ID **068021-029ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327D**
Client ID: **610-129-0.3** Batch ID: **17543** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.8	5.0	0	0	0	0	0	35.5	24.3	20	R

Sample ID **068021-039ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327E**
Client ID: **610-133-S** Batch ID: **17544** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	139.5	5.0	0	0	0	0	0	144.5	3.53	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068021-049ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327E**
Client ID: **610-137-S** Batch ID: **17544** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.159	5.0	0	0	0	0	0	7.677	17.6	20	

Sample ID **068024-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542165**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.013	0	20	

Sample ID **068024-012ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.398	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068023-003ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325D**
Client ID: **ZZZZZ** Batch ID: **R36448** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.88	0.10	0	0	0	0	0	7.9	0.253	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17656** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547535**

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

Sample ID **MB-17656A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547536**

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

Sample ID **MB-17656B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547549**

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

Sample ID **MB-17657** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547569**

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

Sample ID **MB-17657A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547570**

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

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17657B	MBLK	7420_ST	mg/L		AA2_040406C
Client ID: ZZZZZ	Batch ID: R36835	TestNo: WET/ EPA 74		Analysis Date: 4/6/2004	SeqNo: 547583

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17656	LCS	7420_ST	mg/L		AA2_040406B
Client ID: ZZZZZ	Batch ID: R36832	TestNo: WET/ EPA 74		Analysis Date: 4/6/2004	SeqNo: 547563

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.999	0.25	5	0	100	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17657	LCS	7420_ST	mg/L		AA2_040406C
Client ID: ZZZZZ	Batch ID: R36835	TestNo: WET/ EPA 74		Analysis Date: 4/6/2004	SeqNo: 547591

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.197	0.25	5	0	104	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068020-002AMS	MS	7420_ST	mg/L		AA2_040406B
Client ID: ZZZZZ	Batch ID: R36832	TestNo: WET/ EPA 74		Analysis Date: 4/6/2004	SeqNo: 547548

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.73	0.50	5	10.99	94.6	70	130	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068021-025AMS	MS	7420_ST	mg/L		AA2_040406B
Client ID: 610-128-S	Batch ID: R36832	TestNo: WET/ EPA 74		Analysis Date: 4/6/2004	SeqNo: 547561

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	127.7	5.0	5	127.6	2.2	70	130	0	0		S

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068023-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.4	0.50	5	14.67	94.6	70	130	0	0		

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.48	0.50	5	13.27	84.1	70	130	0	0		

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.44	0.50	0	0	0	0	0	10.99	4.00	20	

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **610-128-S** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	96.47	5.0	0	0	0	0	0	127.6	27.8	20	R

Sample ID **068023-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.83	0.50	0	0	0	0	0	14.67	7.64	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068055-004ADUP**	SampType: **DUP**	TestCode: **7420_ST**	Units: **mg/L**	Prep Date:	Run ID: **AA2_040406C**
Client ID: **ZZZZZ**	Batch ID: **R36835**	TestNo: **WET/ EPA 74**		Analysis Date: **4/6/2004**	SeqNo: **547588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11	0.50	0	0	0	0	0	13.27	18.7	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17715A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547365**

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

Sample ID **MB-17715B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547366**

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

Sample ID **MB-17693A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547367**

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

Sample ID **MB-17693B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547368**

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

Sample ID **LCS-17715** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547369**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.032	0.25	1	0	103	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068021-025AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **610-128-S** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.571	0.25	2.5	9.383	-112	70	130	0	0		S

Sample ID **068028-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.67	1.2	2.5	21.21	218	70	130	0	0		S

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **610-128-S** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.674	0.25	0	0	0	0	0	9.383	3.05	20	

Sample ID **068028-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.09	1.2	0	0	0	0	0	21.21	20.7	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17696** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405A**
Client ID: **ZZZZZ** Batch ID: **17696** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546628**

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

Sample ID **LCS-17696** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405A**
Client ID: **ZZZZZ** Batch ID: **17696** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.77	2.0	50	0	87.5	80	120	0	0		
Arsenic	45.43	1.0	50	0	90.9	80	120	0	0		
Barium	49.66	1.0	50	0	99.3	80	120	0	0		
Beryllium	45.04	1.0	50	0	90.1	80	120	0	0		
Cadmium	44.84	1.0	50	0	89.7	80	120	0	0		
Chromium	47.48	1.0	50	0	95	80	120	0	0		
Cobalt	44.83	1.0	50	0	89.7	80	120	0	0		
Copper	47.35	2.0	50	0	94.7	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17696** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405A**
Client ID: **ZZZZZ** Batch ID: **17696** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.18	1.0	50	0	86.4	80	120	0	0		
Molybdenum	45.37	1.0	50	0	90.7	80	120	0	0		
Nickel	44.62	1.0	50	0	89.2	80	120	0	0		
Selenium	44.85	1.0	50	0	89.7	80	120	0	0		
Silver	44.41	1.0	50	0	88.8	80	120	0	0		
Thallium	42.87	1.0	50	0	85.7	80	120	0	0		
Vanadium	46.68	1.0	50	0	93.4	80	120	0	0		
Zinc	43.69	1.0	50	0	87.4	80	120	0	0		

Sample ID **068021-025AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405A**
Client ID: **610-128-S** Batch ID: **17696** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	87.21	1.0	125	0	69.8	23	118	0	0		
Arsenic	18.12	1.0	125	0	14.5	64	111	0	0		S
Barium	192.2	1.0	125	82.84	87.5	36	146	0	0		
Beryllium	113.5	1.0	125	0	90.8	50	120	0	0		
Cadmium	104.9	1.0	125	0.6357	83.4	62	107	0	0		
Chromium	129.9	1.0	125	27.09	82.2	63	119	0	0		
Cobalt	111.1	1.0	125	5.837	84.2	63	111	0	0		
Copper	178.9	1.0	125	49.74	103	58	136	0	0		
Lead	1564	1.0	125	1103	368	47	125	0	0		S
Molybdenum	111.9	1.0	125	2.099	87.9	63	116	0	0		
Nickel	117.2	1.0	125	18.27	79.2	57	116	0	0		
Selenium	108.3	1.0	125	0	86.7	47	118	0	0		
Silver	112.1	1.0	125	0	89.7	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	135.3	1.0	125	22.13	90.5	65	122	0	0		
Zinc	324.3	1.0	125	224.7	79.7	36	140	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068021-025AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405A**
Client ID: **610-128-S** Batch ID: **17696** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85.64	1.0	125	0	68.5	23	118	87.21	1.82	20	
Arsenic	27.53	1.0	125	0	22	64	111	18.12	41.2	20	SR
Barium	189.3	1.0	125	82.84	85.2	36	146	192.2	1.50	20	
Beryllium	109.3	1.0	125	0	87.4	50	120	113.5	3.84	20	
Cadmium	102	1.0	125	0.6357	81.1	62	107	104.9	2.85	20	
Chromium	128	1.0	125	27.09	80.7	63	119	129.9	1.46	20	
Cobalt	107.1	1.0	125	5.837	81	63	111	111.1	3.72	20	
Copper	161.9	1.0	125	49.74	89.8	58	136	178.9	9.95	20	
Lead	1214	1.0	125	1103	89	47	125	1564	25.1	20	R
Molybdenum	108.8	1.0	125	2.099	85.3	63	116	111.9	2.86	20	
Nickel	113	1.0	125	18.27	75.8	57	116	117.2	3.72	20	
Selenium	105.3	1.0	125	0	84.3	47	118	108.3	2.82	20	
Silver	102.6	1.0	125	0	82.1	48	125	112.1	8.89	20	
Thallium	92.02	1.0	125	0	73.6	49	116	111	18.7	20	
Vanadium	131.1	1.0	125	22.13	87.2	65	122	135.3	3.15	20	
Zinc	323.7	1.0	125	224.7	79.2	36	140	324.3	0.172	20	

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405A**
Client ID: **610-128-S** Batch ID: **17696** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	77.62	1.0	0	0	0	0	0	82.84	6.51	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.6357	0	20	
Chromium	21.24	1.0	0	0	0	0	0	27.09	24.2	20	R
Cobalt	5.624	1.0	0	0	0	0	0	5.837	3.72	20	
Copper	60.74	1.0	0	0	0	0	0	49.74	19.9	20	
Lead	1458	1.0	0	0	0	0	0	1103	27.7	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068021-025ADUP**	SampType: **DUP**	TestCode: **6010_S**	Units: **mg/Kg**	Prep Date: **4/2/2004**	Run ID: **ICP5_040405A**
Client ID: **610-128-S**	Batch ID: **17696**	TestNo: **EPA 6010B**	**(EPA 3050A)**	Analysis Date: **4/5/2004**	SeqNo: **546634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	1.838	1.0	0	0	0	0	0	2.099	13.2	20	
Nickel	14.31	1.0	0	0	0	0	0	18.27	24.3	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	21.71	1.0	0	0	0	0	0	22.13	1.90	20	
Zinc	220.5	1.0	0	0	0	0	0	224.7	1.86	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17683	MBLK	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546498

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17683	LCS	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546499

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.08	0.10	2.08	0	100	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001AMS	MS	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546501

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.217	0.10	0.83	0.1425	129	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001AMSD	MSD	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546502

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.215	0.10	0.83	0.1425	129	62	146	1.217	0.137	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001ADUP	DUP	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546500

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.195	0.10	0	0	0	0	0	0.1425	31.1	30	R

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17819** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553612**

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

Sample ID **MB-17819A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553615**

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

Sample ID **MB-17819B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553645**

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

Sample ID **MB-17820** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553680**

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

Sample ID **MB-17820A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553681**

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

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17820B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553708**

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

Sample ID **LCS17819** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.085	0.25	5	0	102	80	120	0	0		

Sample ID **LCS-17820** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.024	0.25	5	0	100	80	120	0	0		

Sample ID **068018-007AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.447	0.25	5	0.3197	103	70	130	0	0		

Sample ID **068021-026AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **610-128-0.3** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.294	0.25	5	3.366	98.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068055-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.813	0.25	5	0.6128	104	70	130	0	0		

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.456	0.25	5	0.1806	106	70	130	0	0		

Sample ID **068018-007ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2775	0.25	0	0	0	0	0	0.3197	14.1	20	

Sample ID **068021-026ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **610-128-0.3** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553667**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.688	0.25	0	0	0	0	0	3.366	22.4	20	R

Sample ID **068055-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.6783	0.25	0	0	0	0	0	0.6128	10.2	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068021
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1806	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04

PAGE: 1 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0480L1 - 001	610-120-S		3/23/04	1131	soil	1	X
- 002	610-120-0.3			1133			
- 003	610-120-0.4			1134			
- 004	610-121-S			1131			
- 005	610-121-0.3			1133			
- 006	610-121-0.6			1134			
- 007	610-122-S			1301			
- 008	610-122-0.3			1303			
- 009	610-122-0.4			1305			
- 010	610-123-S			1301			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	8:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 4

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0S021-011	610-123-0.3		3/23/04	1303	soil	1	X
-012	610-123-0.6			1305			
-013	610-124-S			1326			
-014	610-124-0.3			1327			
-015	610-124-0.6			1330			
-016	610-125-S			1341			
-017	610-125-0.3			1343			
-018	610-125-0.6			1345			
-019	610-126-S			1348			
-020	610-126-0.3			1350			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:20p
		3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 3 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068171-021	610-126-0.6		3/22/04	1353	soil	1	X
022	610-127-5			1341			
023	610-127-0.3			1343			
024	610-127-0.6			1345			
025	610-128-5			1410			
026	610-128-0.3			1415			
027	610-128-0.6			1422			
028	610-129-5			1412			
029	610-129-0.3			1414			
030	610-129-0.6			1417			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-23-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-23-04	Time: 8:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE:

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0E8021-031	610-130-S		3/23/04	1422	soil	1	X
-032	610-130-0.3			1423			
-033	610-130-0.6			1424			
-034	610-131-S			1440			
-035	610-131-0.3			1444			
-036	610-131-0.6			1448			
-037	610-132-S			1450			
-038	610-132-0.3			1451			
-039	610-133-S			1439			
-040	610-133-0.3			1439			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	8:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 5 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408021-041	610-134-S		3/23/04	1519	soil	1	
-042	610-134-0.3			1522			
-043	610-135-S			1531			
-044	610-135-0.3			1532			
-045	610-135-0.6			1534			
-046	610-136-S			1519			
-047	610-136-0.3			1520			
-048	610-136-0.6			1527			
-049	610-137-S			1544			
-050	610-137-0.3			1546			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	8:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 6 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068021-057	610-137-0.6		3/23/04	1548	soil	1	X
	610-~~138-5~~			~~1554~~			
	610-~~138-0.3~~			~~1555~~			
	610-~~138-0.6~~			~~1557~~			
	610-~~139-5~~			~~1554~~			
	610-~~139-0.3~~			~~1555~~			
	610-~~139-0.6~~			~~1557~~			
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068023

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068023
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068023-001A	610-138-S	93	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068023-002A	610-138-0.3	37	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068023-003A	610-138-0.6	45	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068023-004A	610-139-S	160	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068023-005A	610-139-0.3	8.3	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068023-006A	610-139-0.6	82	mg/Kg	17545	5	1	3/23/2004	3/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068023
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068023-001A	610-138-S	7.58	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068023-003A	610-138-0.6	7.90	pH Units	R36448	0.1	1	3/23/2004	3/25/2004
068023-005A	610-139-0.3	6.81	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068023-006A	610-139-0.6	8.50	pH Units	R36449	0.1	1	3/23/2004	3/25/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068023
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068023-001A	610-138-S	12	mg/L	R36835	0.5	2	3/23/2004	4/6/2004
068023-004A	610-139-S	15	mg/L	R36835	0.5	2	3/23/2004	4/6/2004
068023-006A	610-139-0.6	1.6	mg/L	R36835	0.25	1	3/23/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068023
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068023-004A	610-139-S	0.49	mg/L	17760	0.25	1	3/23/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068023
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068023-001A	610-138-S	ND	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068023-004A	610-139-S	ND	mg/L	R37195	0.25	1	3/23/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17545A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542153**

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

Sample ID **MB-17545B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542167**

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

Sample ID **LCS-17545** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542154**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.1	5.0	250	0	100	80	120	0	0		

Sample ID **068024-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	172	5.0	250	3.013	67.6	47	125	0	0		

Sample ID **068024-012AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	336	5.0	250	4.398	133	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068024-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542165**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.013	0	20	

Sample ID **068024-012ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **ZZZZZ** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.398	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068023-003ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325D**
Client ID: **610-138-0.6** Batch ID: **R36448** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.88	0.10	0	0	0	0	0	7.9	0.253	20	

Sample ID **068025-014ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325E**
Client ID: **ZZZZZ** Batch ID: **R36449** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.11	0.10	0	0	0	0	0	8.17	0.737	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17657	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040406C
Client ID:	ZZZZZ	Batch ID:	R36835	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547569

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

Sample ID	MB-17657A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040406C
Client ID:	ZZZZZ	Batch ID:	R36835	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547570

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

Sample ID	MB-17657B	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040406C
Client ID:	ZZZZZ	Batch ID:	R36835	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547583

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

Sample ID	LCS-17657	SampType:	LCS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040406C
Client ID:	ZZZZZ	Batch ID:	R36835	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547591

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.197	0.25	5	0	104	80	120	0	0		

Sample ID	068023-004AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040406C
Client ID:	610-139-S	Batch ID:	R36835	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547582

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.4	0.50	5	14.67	94.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.48	0.50	5	13.27	84.1	70	130	0	0		

Sample ID **068023-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **610-139-S** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.83	0.50	0	0	0	0	0	14.67	7.64	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11	0.50	0	0	0	0	0	13.27	18.7	20	

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17760A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552841**

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

Sample ID **MB-17744A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552842**

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

Sample ID **MB-17760B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552855**

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

Sample ID **MB-17744B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552856**

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

Sample ID **LCS-17760** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.129	0.25	1	0	113	80	120	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068024-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.764	0.25	2.5	0.1471	105	70	130	0	0		

Sample ID **068026-003AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.759	0.25	2.5	0.3822	95.1	70	130	0	0		

Sample ID **068024-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1471	0	20	

Sample ID **068026-003ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4122	0.25	0	0	0	0	0	0.3822	7.54	20	

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17820** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553680**

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

Sample ID **MB-17820A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553681**

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

Sample ID **MB-17820B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553708**

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

Sample ID **LCS-17820** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.024	0.25	5	0	100	80	120	0	0		

Sample ID **068055-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.813	0.25	5	0.6128	104	70	130	0	0		

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CLIENT: Geocon Environmental
Work Order: 068023
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.456	0.25	5	0.1806	106	70	130	0	0		

Sample ID **068055-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.6783	0.25	0	0	0	0	0	0.6128	10.2	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **ZZZZZ** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1806	0	20	

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H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04

PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0608023 - 001	610- 138-5		3/23/04	1554	soil	1	X
- 002	610- 138-0.3		↓	1555			↓
- 003	610- 138-0.6			1557			
- 004	610- 139-5			1554			
- 005	610- 139-0.3			1555			
- 006	610- 139-0.6		↓	1557			↓
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-23-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-23-04	Time: 18:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068056

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-001A	610-138-1.5	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-002A	610-139-1.5	25	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-003A	610-140-S	250	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-004A	610-140-0.3	380	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-005A	610-140-0.6	150	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-006A	610-141-S	230	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-007A	610-141-0.3	9.5	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-008A	610-141-0.6	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-009A	610-142-S	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-010A	610-142-0.3	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068056-011A	610-142-0.6	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-012A	610-142-1.5	ND	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-013A	610-143-S	690	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-014A	610-143-0.3	13	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-015A	610-143-0.6	12	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-016A	610-144-S	52	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-017A	610-144-0.3	6.8	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-018A	610-144-0.6	7.0	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-019A	610-144-1.5	ND	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-020A	610-145-S	350	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-021A	610-145-0.3	16	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-022A	610-145-0.6	14	mg/Kg	17587	5	1	3/24/2004	3/30/2004

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-023A	610-146-S	440	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-024A	610-146-0.3	22	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-025A	610-146-0.6	8.5	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-026A	610-146-1.5	ND	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-027A	610-147-S	500	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-028A	610-147-0.3	18	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-029A	610-147-0.6	32	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-030A	610-147-1.5	8.1	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-031A	610-148-S	65	mg/Kg	17587	5	1	3/24/2004	3/30/2004
068056-032A	610-148-0.3	20	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-033A	610-148-0.6	10	mg/Kg	17589	5	1	3/24/2004	3/30/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-034A	610-148-1.5	8.3	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-035A	610-149-S	110	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-036A	610-149-0.3	32	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-037A	610-149-0.6	33	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-038A	610-149-1.5	ND	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-039A	610-150-S	4100	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-040A	610-150-0.3	42	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-041A	610-150-0.6	29	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-042A	610-150-1.5	11	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-043A	610-151-S	800	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-044A	610-151-0.3	49	mg/Kg	17589	5	1	3/24/2004	3/30/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-045A	610-151-0.6	19	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-046A	610-151-1.5	6.0	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-047A	610-152-S	1700	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-048A	610-152-0.3	77	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-049A	610-152-0.6	63	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-050A	610-152-1.5	13	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-051A	610-153-S	1000	mg/Kg	17589	5	1	3/24/2004	3/30/2004
068056-052A	610-153-0.3	ND	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-053A	610-153-0.6	24	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-054A	610-153-1.5	150	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-055A	610-154-S	740	mg/Kg	17590	5	1	3/24/2004	3/31/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-056A	610-154-0.3	11	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-057A	610-154-0.6	ND	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-058A	610-154-1.5	7.3	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-059A	610-155-S	900	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-060A	610-155-0.3	910	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-061A	610-155-0.6	140	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-062A	610-156-S	550	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-063A	610-156-0.3	170	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-064A	610-156-0.6	35	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-065A	610-156-1.5	14	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-066A	610-157-S	380	mg/Kg	17590	5	1	3/24/2004	3/31/2004

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Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-067A	610-157-0.3	25	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-068A	610-157-0.6	5.5	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-069A	610-158-S	43	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-070A	610-158-0.3	ND	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-071A	610-158-0.6	6.3	mg/Kg	17590	5	1	3/24/2004	3/31/2004
068056-072A	610-159-S	220	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068056-073A	610-159-0.3	61	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068056-074A	610-159-0.6	ND	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068056-075A	610-159-1.5	8.2	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068056-076A	610-160-S	130	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068056-077A	610-160-0.3	54	mg/Kg	17591	5	1	3/24/2004	3/31/2004

Qualifiers:

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Results are wet unless otherwise specified

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Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-078A	610-160-0.6	7.7	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068056-079A	610-160-1.5	9.5	mg/Kg	17591	5	1	3/24/2004	3/31/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-001A	610-138-1.5	8.20	pH Units	R36508	0.1	1	3/24/2004	3/26/2004
068056-010A	610-142-0.3	8.40	pH Units	R36508	0.1	1	3/24/2004	3/26/2004
068056-020A	610-145-S	8.43	pH Units	R36508	0.1	1	3/24/2004	3/26/2004
068056-060A	610-155-0.3	8.09	pH Units	R36508	0.1	1	3/24/2004	3/26/2004
068056-070A	610-158-0.3	8.11	pH Units	R36508	0.1	1	3/24/2004	3/26/2004

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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-003A	610-140-S	25	mg/L	R36978	1.2	5	3/24/2004	4/10/2004
068056-004A	610-140-0.3	30	mg/L	R36978	1.2	5	3/24/2004	4/10/2004
068056-005A	610-140-0.6	11	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068056-006A	610-141-S	53	mg/L	R36978	2.5	10	3/24/2004	4/10/2004
068056-013A	610-143-S	60	mg/L	R36978	2.5	10	3/24/2004	4/10/2004
068056-016A	610-144-S	4.4	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-020A	610-145-S	21	mg/L	R36979	1.2	5	3/24/2004	4/10/2004
068056-023A	610-146-S	20	mg/L	R36979	1.2	5	3/24/2004	4/10/2004
068056-027A	610-147-S	35	mg/L	R36979	2.5	10	3/24/2004	4/10/2004
068056-031A	610-148-S	5.3	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-035A	610-149-S	8.5	mg/L	R36979	0.25	1	3/24/2004	4/10/2004

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Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-043A	610-151-S	63	mg/L	R36979	2.5	10	3/24/2004	4/10/2004
068056-048A	610-152-0.3	5.6	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-049A	610-152-0.6	1.3	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-054A	610-153-1.5	6.1	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-055A	610-154-S	51	mg/L	R36979	2.5	10	3/24/2004	4/10/2004
068056-059A	610-155-S	83	mg/L	R36979	2.5	10	3/24/2004	4/10/2004
068056-060A	610-155-0.3	7.9	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-061A	610-155-0.6	13	mg/L	R36979	0.5	2	3/24/2004	4/10/2004
068056-062A	610-156-S	48	mg/L	R36979	2.5	10	3/24/2004	4/10/2004
068056-063A	610-156-0.3	15	mg/L	R36979	0.5	2	3/24/2004	4/10/2004
068056-066A	610-157-S	27	mg/L	R36979	1.2	5	3/24/2004	4/10/2004

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Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-072A	610-159-S	16	mg/L	R36979	0.5	2	3/24/2004	4/10/2004
068056-073A	610-159-0.3	2.1	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-076A	610-160-S	9.5	mg/L	R36979	0.25	1	3/24/2004	4/10/2004
068056-077A	610-160-0.3	3.3	mg/L	R36980	0.25	1	3/24/2004	4/10/2004

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-003A	610-140-S	0.68	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-004A	610-140-0.3	0.72	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-005A	610-140-0.6	0.34	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-006A	610-141-S	1.3	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-013A	610-143-S	0.55	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-020A	610-145-S	1.5	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-023A	610-146-S	0.81	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-027A	610-147-S	0.59	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-039A	610-150-S	14	mg/L	17763	0.5	2	3/24/2004	4/14/2004
068056-043A	610-151-S	2.9	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-047A	610-152-S	7.4	mg/L	17763	0.25	1	3/24/2004	4/14/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-051A	610-153-S	1.4	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-054A	610-153-1.5	ND	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-055A	610-154-S	2.6	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-059A	610-155-S	1.5	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-060A	610-155-0.3	0.44	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-061A	610-155-0.6	0.63	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-062A	610-156-S	2.0	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-063A	610-156-0.3	0.37	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-066A	610-157-S	2.0	mg/L	17763	0.25	1	3/24/2004	4/14/2004
068056-072A	610-159-S	0.47	mg/L	17764	0.25	1	3/24/2004	4/14/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-150-S
Lab Order:	068056		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/24/2004
Lab ID:	068056-039A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	15	1.0		mg/Kg	1	4/12/2004
Arsenic	18	1.0		mg/Kg	1	4/12/2004
Barium	120	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	1.1	1.0		mg/Kg	1	4/12/2004
Chromium	20	1.0		mg/Kg	1	4/12/2004
Cobalt	11	1.0		mg/Kg	1	4/12/2004
Copper	32	1.0		mg/Kg	1	4/12/2004
Lead	2500	1.0		mg/Kg	1	4/12/2004
Molybdenum	1.9	1.0		mg/Kg	1	4/12/2004
Nickel	19	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	30	1.0		mg/Kg	1	4/12/2004
Zinc	170	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408C	QC Batch: 17770			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.12	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-152-S
Lab Order:	068056		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/24/2004
Lab ID:	068056-047A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	8.2	1.0		mg/Kg	1	4/12/2004
Arsenic	9.9	1.0		mg/Kg	1	4/12/2004
Barium	170	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	1.1	1.0		mg/Kg	1	4/12/2004
Chromium	35	1.0		mg/Kg	1	4/12/2004
Cobalt	7.1	1.0		mg/Kg	1	4/12/2004
Copper	92	1.0		mg/Kg	1	4/12/2004
Lead	2000	1.0		mg/Kg	1	4/12/2004
Molybdenum	4.2	1.0		mg/Kg	1	4/12/2004
Nickel	24	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	27	1.0		mg/Kg	1	4/12/2004
Zinc	370	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408C	QC Batch: 17770			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.10	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-003A	610-140-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-004A	610-140-0.3	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-005A	610-140-0.6	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-006A	610-141-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-013A	610-143-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-020A	610-145-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-023A	610-146-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-027A	610-147-S	0.26	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-031A	610-148-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-035A	610-149-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-043A	610-151-S	0.88	mg/L	R37286	0.25	1	3/24/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068056
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068056-048A	610-152-0.3	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-054A	610-153-1.5	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-055A	610-154-S	0.56	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-059A	610-155-S	0.30	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-060A	610-155-0.3	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068056-061A	610-155-0.6	ND	mg/L	R37287	0.25	1	3/24/2004	4/19/2004
068056-062A	610-156-S	0.51	mg/L	R37287	0.25	1	3/24/2004	4/19/2004
068056-063A	610-156-0.3	ND	mg/L	R37287	0.25	1	3/24/2004	4/19/2004
068056-066A	610-157-S	0.29	mg/L	R37287	0.25	1	3/24/2004	4/19/2004
068056-072A	610-159-S	ND	mg/L	R37287	0.25	1	3/24/2004	4/19/2004
068056-076A	610-160-S	ND	mg/L	R37287	0.25	1	3/24/2004	4/19/2004

Qualifiers:

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E - Value above quantitation range
Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17586A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	ZZZZZ	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544366

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

Sample ID	MB-17586B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	ZZZZZ	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544380

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

Sample ID	MB-17587A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	ZZZZZ	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544394

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

Sample ID	MB-17587B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	ZZZZZ	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544408

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

Sample ID	MB-17589A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330K
Client ID:	ZZZZZ	Batch ID:	17589	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544422

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17589B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330K
Client ID:	ZZZZZ	Batch ID:	17589	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544436

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

Sample ID	MB-17590A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331C
Client ID:	ZZZZZ	Batch ID:	17590	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544464

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

Sample ID	MB-17590B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331C
Client ID:	ZZZZZ	Batch ID:	17590	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544478

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

Sample ID	MB-17591A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544492

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

Sample ID	MB-17591B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544506

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

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	LCS-17586	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	ZZZZZ	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544367

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	261.7	5.0	250	0	105	80	120	0	0		

Sample ID	LCS-17587	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	ZZZZZ	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	264.4	5.0	250	0	106	80	120	0	0		

Sample ID	LCS-17589	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330K
Client ID:	ZZZZZ	Batch ID:	17589	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544423

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.9	5.0	250	0	102	80	120	0	0		

Sample ID	LCS-17590	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331C
Client ID:	ZZZZZ	Batch ID:	17590	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544465

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	278	5.0	250	0	111	80	120	0	0		

Sample ID	LCS-17591	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544493

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.2	5.0	250	0	112	80	120	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068056-001AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	610-138-1.5	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544379

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.9	5.0	250	0	69.6	47	125	0	0		

Sample ID	068056-011AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	610-142-0.6	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544392

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	250	0	0	47	125	0	0		S

Sample ID	068056-021AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	610-145-0.3	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544407

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	197.4	5.0	250	15.74	72.7	47	125	0	0		

Sample ID	068056-031AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	610-148-S	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544420

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.1	5.0	250	65.46	74.7	47	125	0	0		

Sample ID	068056-041AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330K
Client ID:	610-150-0.6	Batch ID:	17589	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544435

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	217	5.0	250	29	75.2	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068056-051AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330K
Client ID:	610-153-S	Batch ID:	17589	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544448

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1402	5.0	250	1030	149	47	125	0	0		S

Sample ID	068056-061AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331C
Client ID:	610-155-0.6	Batch ID:	17590	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544477

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	350.8	5.0	250	141.6	83.7	47	125	0	0		

Sample ID	068056-071AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331C
Client ID:	610-158-0.6	Batch ID:	17590	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544490

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	177.9	5.0	250	6.263	68.6	47	125	0	0		

Sample ID	068057-002AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544505

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.7	5.0	250	131.4	60.1	47	125	0	0		

Sample ID	068058-006AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544518

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	188.1	5.0	250	12.06	70.4	47	125	0	0		

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068056-001ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	610-138-1.5	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544378

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

Sample ID	068056-011ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	610-142-0.6	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544391

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

Sample ID	068056-021ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	610-145-0.3	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544406

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.91	5.0	0	0	0	0	0	15.74	12.3	20	

Sample ID	068056-031ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330J
Client ID:	610-148-S	Batch ID:	17587	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544419

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	66.86	5.0	0	0	0	0	0	65.46	2.11	20	

Sample ID	068056-041ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330K
Client ID:	610-150-0.6	Batch ID:	17589	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544434

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.47	5.0	0	0	0	0	0	29	16.9	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068056-051ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330K**
Client ID: **610-153-S** Batch ID: **17589** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	940.9	5.0	0	0	0	0	0	1030	9.05	20	

Sample ID **068056-061ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331C**
Client ID: **610-155-0.6** Batch ID: **17590** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	149.3	5.0	0	0	0	0	0	141.6	5.32	20	

Sample ID **068056-071ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331C**
Client ID: **610-158-0.6** Batch ID: **17590** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.753	5.0	0	0	0	0	0	6.263	8.49	20	

Sample ID **068057-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331D**
Client ID: **ZZZZZ** Batch ID: **17591** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	178.7	5.0	0	0	0	0	0	131.4	30.5	20	R

Sample ID **068058-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331D**
Client ID: **ZZZZZ** Batch ID: **17591** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.25	5.0	0	0	0	0	0	12.06	16.2	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068086-020ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326E**
Client ID: **ZZZZZ** Batch ID: **R36508** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.67	0.10	0	0	0	0	0	7.79	1.55	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17750** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549841**

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

Sample ID **MB-17750A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549842**

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

Sample ID **MB-17750B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549856**

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

Sample ID **MB-17751** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **ZZZZZ** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549870**

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

Sample ID **MB-17751A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **ZZZZZ** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549871**

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

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17751B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **ZZZZZ** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549885**

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

Sample ID **MB-17752** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549899**

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

Sample ID **MB-17752A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549900**

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

Sample ID **MB-17752B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549914**

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

Sample ID **LCS-17750** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.249	0.25	5	0	105	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **LCS-17751** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **ZZZZZ** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.328	0.25	5	0	107	80	120	0	0		

Sample ID **LCS-17752** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **068046-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.53	1.2	5	38.92	92.1	70	130	0	0		

Sample ID **068056-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **610-143-S** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	62.39	2.5	5	59.6	55.7	70	130	0	0		S

Sample ID **068056-054AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **610-153-1.5** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.82	0.50	5	6.099	94.4	70	130	0	0		

Qualifiers:
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068056-076AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **610-160-S** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.81	0.50	5	9.521	106	70	130	0	0		

Sample ID **068059-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.42	2.5	5	26.74	73.6	70	130	0	0		

Sample ID **068086-018AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.663	0.25	5	3.313	87	70	130	0	0		

Sample ID **068046-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.89	1.2	0	0	0	0	0	38.92	2.69	20	

Sample ID **068056-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **610-143-S** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	61.61	2.5	0	0	0	0	0	59.6	3.32	20	

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068056-054ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **610-153-1.5** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.412	0.25	0	0	0	0	0	6.099	11.9	20	

Sample ID **068056-076ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410B**
Client ID: **610-160-S** Batch ID: **R36979** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.186	0.25	0	0	0	0	0	9.521	3.59	20	

Sample ID **068059-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.6	1.2	0	0	0	0	0	26.74	21.3	20	R

Sample ID **068086-018ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.971	0.25	0	0	0	0	0	3.313	57.2	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17763A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **ZZZZZ** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552910**

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

Sample ID **MB-17747A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **ZZZZZ** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552911**

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

Sample ID **MB-17763B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **ZZZZZ** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552925**

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

Sample ID **MB-17747B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **ZZZZZ** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552926**

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

Sample ID **MB-17764A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552943**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17764B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552961

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

Sample ID	MB-17748B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552962

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

Sample ID	LCS-17763	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414H
Client ID:	ZZZZZ	Batch ID:	17763	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.171	0.25	1	0	117	80	120	0	0		

Sample ID	LCS-17764	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552946

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.106	0.25	1	0	111	80	120	0	0		

Sample ID	068056-043AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414H
Client ID:	610-151-S	Batch ID:	17763	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552924

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.196	0.25	2.5	2.925	131	70	130	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068056-066AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **610-157-S** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.834	0.25	2.5	1.957	155	70	130	0	0		S

Sample ID **068086-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.414	0.25	2.5	3.61	72.2	70	130	0	0		

Sample ID **068086-034AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.73	0.50	2.5	14.89	-46.7	70	130	0	0		S

Sample ID **068056-043ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **610-151-S** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.07	0.25	0	0	0	0	0	2.925	4.83	20	

Sample ID **068056-066ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414H**
Client ID: **610-157-S** Batch ID: **17763** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.977	0.25	0	0	0	0	0	1.957	1.03	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068086-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.95	0.25	0	0	0	0	0	3.61	8.99	20	

Sample ID **068086-034ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.57	0.50	0	0	0	0	0	14.89	33.9	20	R

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551143**

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

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17770	MBLK	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: ZZZZZ	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549006

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17770	LCS	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: ZZZZZ	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549005

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.357	0.10	2.08	0	113	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068045-008AMS	MS	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: ZZZZZ	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 548984

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8702	0.10	0.83	0.04723	99.1	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068045-008AMSD	MSD	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: ZZZZZ	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 548985

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.922	0.10	0.83	0.04723	105	62	146	0.8702	5.79	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17840	mblk	7420_DI	mg/L		AA2_040419I
Client ID: ZZZZZ	Batch ID: R37286	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555022

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17840A	mblk	7420_DI	mg/L		AA2_040419I
Client ID: ZZZZZ	Batch ID: R37286	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555023

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17840B	mblk	7420_DI	mg/L		AA2_040419I
Client ID: ZZZZZ	Batch ID: R37286	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555037

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17841	mblk	7420_DI	mg/L		AA2_040419J
Client ID: ZZZZZ	Batch ID: R37287	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555051

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17841A	mblk	7420_DI	mg/L		AA2_040419J
Client ID: ZZZZZ	Batch ID: R37287	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555052

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17841B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419J**
Client ID: **ZZZZZ** Batch ID: **R37287** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555066**

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

Sample ID **LCS-17840** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.099	0.25	5	0	102	80	120	0	0		

Sample ID **LCS-17841** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419J**
Client ID: **ZZZZZ** Batch ID: **R37287** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.13	0.25	5	0	103	80	120	0	0		

Sample ID **068056-020AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **610-145-S** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.307	0.25	5	0.06344	105	70	130	0	0		

Sample ID **068056-060AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **610-155-0.3** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.457	0.25	5	0.1449	106	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067430-160AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419J**
Client ID: **ZZZZZ** Batch ID: **R37287** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.566	0.25	5	0.1731	108	70	130	0	0		

Sample ID **067430-201AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419J**
Client ID: **ZZZZZ** Batch ID: **R37287** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.544	0.25	5	0.2342	106	70	130	0	0		

Sample ID **068056-020ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **610-145-S** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.06344	0	20	

Sample ID **068056-060ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **610-155-0.3** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1449	0	20	

Sample ID **067430-160ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419J**
Client ID: **ZZZZZ** Batch ID: **R37287** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1731	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068056
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067430-201ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419J**
Client ID: **ZZZZZ** Batch ID: **R37287** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2342	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
~~See Page 1~~ Attach to Group 3 from 3/23/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
W6056 - 01	610- 138-1.5		3/24/04	907	soil	1	X
- 02	610- 139-1.5			900			
- 03	610- 140-5			939			
- 04	610- 140-0.3			940			
- 05	610- 140-0.6			943			
- 06	610- 141-5			959			
- 07	610- 141-0.3			1000			
- 08	610- 141-0.6			1002			
- 09	610- 142-5			922			
- 10	610- 142-0.3			924			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	3:00p
[signature]	[signature]	3-24-04	6:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 2 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
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TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-011	610- 142-0.6		3/24/04	930	soil	1	X
-012	610- 142-1.5			941			
-013	610- 143-S			920			
-014	610- 143-0.3			921			
-015	610- 143-0.6			926			
-016	610- 144-S			1000			
-017	610- 144-0.3			1002			
-018	610- 144-0.6			1005			
-019	610- 144-1.5			1009			
-020	610- 145-S			1000			

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		3-24-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	6:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: ____ OF ____

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

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SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
04	610-145-0.3		3/24/04	1002	soil	1	
04	610-145-0.6		↓	1005			
04	610-146-5		↓	1027			
04	610-146-0.3		↓	1028			
04	610-146-0.6		↓	1031			
04	610-146-1.5		↓	1035			
04	610-147-5		↓	1050			
04	610-147-0.3		↓	1057			
04	610-147-0.6		↓	1054			
04	610-147-1.5		↓	1059			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-24-04	6:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

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CLIENT: Geocon Burbank
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-011	610- 148-5		3/24/04	1118	soil	1	X
-012	610- 148-0.3			1117			
-013	610- 148-0.6			1122			
-014	610- 148-1.5			1129			
-015	610- 149-5			1135			
-016	610- 149-0.3			1139			
-017	610- 149-0.6			1145			
-018	610- 149-1.5			1152			
-019	610- 150-5			1138			
-020	610- 150-0.3			1139			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00p
[signature]	[signature]	3-24-04	6:20

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-041	610- 150-0.6		3/24/04	1141	soil	1	X
-042	610- 150-1.5			1145			
-043	610- 151-5			1301			
-044	610- 151-0.3			1302			
-045	610- 151-0.6			1307			
-046	610- 151-1.5			1311			
-047	610- 152-5			1301			
-048	610- 152-0.3			1302			
-049	610- 152-0.6			1307			
-050	610- 152-1.5			1311			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00p
[signature]	[signature]	3-24-04	6:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: ____ OF ____

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
051	610- 153-5		3/24/04	1315	soil	1	
052	610- 153-0.3		↓	1317			
053	610- 153-0.6			1321			
054	610- 153-1.5			1326			
055	610- 154-5			1334			
056	610- 154-0.3			1335			
057	610- 154-0.6			1337			
058	610- 154-1.5			1346			
059	610- 155-5			1359			
060	610- 155-0.3		↓	1400			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00P
Relinquished by: (Signature)	Received by: (Signature)	3-24-04	6:30P
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: ____ OF ____

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-001	610- 155-0.6		3/24/04	1404	soil	1	X
-002	610- 156-S		↓	1404			↓
-003	610- 156-0.3			1407			
-004	610- 156-0.6			1410			
-005	610- 156-1.5			1415			
-006	610- 157-S			1413			
-007	610- 157-0.3			1414			
-008	610- 157-0.6			1417			
-009	610- 158-S			1502			
-010	610- 158-0.3		↓	1503			↓

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-24-04	6:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: _____ OF _____

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
071	610- 158-0.6		3/24/04	1506	soil	1	X
072	610- 159-5			1451			
073	610- 159-0.3			1452			
074	610- 159-0.6			1454			
075	610- 159-1.5			1457			
076	610- 160-5			1452			
077	610- 160-0.3			1455			
078	610- 160-0.6			1459			
079	610- 160-1.5			1507			
~~080~~	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
MA		3-24-04	5:00 ~~3-24-04~~
		3-24-04	6:30

March 26, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067989

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/26/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-001A	610-164-S	20	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-002A	610-164-0.3	7.8	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-003A	610-164-0.6	ND	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-004A	610-164-1.5	19	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-005A	610-165-S	31	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-006A	610-165-0.3	8.6	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-007A	610-165-0.6	ND	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-008A	610-166-S	12	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-009A	610-166-0.3	ND	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-010A	610-166-0.6	24	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-011A	610-166-1.5	ND	mg/Kg	17520	5	1	3/22/2004	3/25/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 3/26/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-012A	610-167-S	140	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-013A	610-167-0.3	63	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-014A	610-167-0.6	8.3	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-015A	610-167-1.5	5.5	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067989-016A	610-168-S	63	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-017A	610-168-0.3	9.0	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-018A	610-168-0.6	ND	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-019A	610-168-1.5	5.1	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-020A	610-169-S	220	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-021A	610-169-0.3	ND	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-022A	610-169-0.6	27	mg/Kg	17521	5	1	3/22/2004	3/25/2004

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Date: 3/26/2004

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EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-023A	610-169-1.5	ND	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-024A	610-170-S	290	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-025A	610-170-0.3	170	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-026A	610-170-0.6	39	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-027A	610-170-1.5	ND	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-028A	610-171-S	71	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-029A	610-171-0.3	19	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-030A	610-171-0.6	25	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-031A	610-171-1.5	5.5	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-032A	610-172-S	110	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-033A	610-172-0.3	68	mg/Kg	17521	5	1	3/22/2004	3/25/2004

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Date: 3/26/2004

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EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-034A	610-172-0.6	20	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-035A	610-173-S	10	mg/Kg	17521	5	1	3/22/2004	3/25/2004
067989-036A	610-173-0.3	8.3	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-037A	610-173-0.6	5.0	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-038A	610-173-1.5	ND	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-039A	610-174-S	890	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-040A	610-174-0.3	490	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-041A	610-174-0.6	200	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-042A	610-175-S	430	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-043A	610-175-0.3	18	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-044A	610-175-0.6	14	mg/Kg	17522	5	1	3/22/2004	3/25/2004

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Date: 3/26/2004

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CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-045A	610-176-S	150	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-046A	610-176-0.3	30	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-047A	610-176-0.6	110	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-048A	610-177-S	97	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-049A	610-177-0.3	8.8	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-050A	610-177-0.6	ND	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-051A	610-177-1.5	9.1	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-052A	610-178-S	560	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-053A	610-178-0.3	ND	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-054A	610-178-0.6	ND	mg/Kg	17522	5	1	3/22/2004	3/25/2004
067989-055A	610-178-1.5	43	mg/Kg	17522	5	1	3/22/2004	3/25/2004

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Date: 3/26/2004

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EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-056A	610-179-S	280	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-057A	610-179-0.3	36	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-058A	610-179-0.6	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-059A	610-179-1.5	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-060A	610-180-S	33	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-061A	610-180-0.3	34	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-062A	610-180-0.6	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-063A	610-180-1.5	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-064A	610-161-S	41	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-065A	610-161-0.3	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004
067989-066A	610-161-0.6	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004

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Advanced Technology Laboratories

Date: 3/26/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-067A	610-161-1.5	ND	mg/Kg	17523	5	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 3/26/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-010A	610-166-0.6	7.58	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067989-020A	610-169-S	7.26	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067989-030A	610-171-0.6	8.90	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067989-040A	610-174-0.3	8.08	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067989-050A	610-177-0.6	8.10	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067989-060A	610-180-S	6.83	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067989-067A	610-161-1.5	7.24	pH Units	R36430	0.1	1	3/22/2004	3/25/2004

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-012A	610-167-S	38	mg/L	R36829	1.2	5	3/22/2004	4/6/2004
067989-013A	610-167-0.3	3.2	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067989-016A	610-168-S	4.3	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067989-020A	610-169-S	8.8	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067989-024A	610-170-S	32	mg/L	R36829	1.2	5	3/22/2004	4/6/2004
067989-025A	610-170-0.3	13	mg/L	R36829	0.5	2	3/22/2004	4/6/2004
067989-028A	610-171-S	9.8	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067989-032A	610-172-S	5.3	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067989-033A	610-172-0.3	0.76	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067989-039A	610-174-S	130	mg/L	R36829	5	20	3/22/2004	4/6/2004
067989-040A	610-174-0.3	33	mg/L	R36829	1.2	5	3/22/2004	4/6/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-041A	610-174-0.6	20	mg/L	R36829	0.5	2	3/22/2004	4/6/2004
067989-042A	610-175-S	37	mg/L	R36830	1.2	5	3/22/2004	4/6/2004
067989-045A	610-176-S	12	mg/L	R36830	0.5	2	3/22/2004	4/6/2004
067989-047A	610-176-0.6	5.8	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067989-048A	610-177-S	9.1	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067989-052A	610-178-S	52	mg/L	R36830	2.5	10	3/22/2004	4/6/2004
067989-056A	610-179-S	15	mg/L	R36830	0.5	2	3/22/2004	4/6/2004

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Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-012A	610-167-S	0.95	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-013A	610-167-0.3	ND	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-020A	610-169-S	0.43	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-024A	610-170-S	0.84	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-025A	610-170-0.3	0.34	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-028A	610-171-S	0.47	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-032A	610-172-S	ND	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-033A	610-172-0.3	ND	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-039A	610-174-S	5.4	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-040A	610-174-0.3	3.0	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-041A	610-174-0.6	1.7	mg/L	17713	0.25	1	3/22/2004	4/5/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-042A	610-175-S	0.44	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-045A	610-176-S	0.28	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-047A	610-176-0.6	ND	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-048A	610-177-S	0.29	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-052A	610-178-S	2.2	mg/L	17713	0.25	1	3/22/2004	4/5/2004
067989-056A	610-179-S	0.28	mg/L	17713	0.25	1	3/22/2004	4/5/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-174-S
Lab Order:	067989		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067989-039A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	5.8	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	110	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	1.9	1.0		mg/Kg	1	4/5/2004
Chromium	33	1.0		mg/Kg	1	4/5/2004
Cobalt	5.7	1.0		mg/Kg	1	4/5/2004
Copper	260	1.0		mg/Kg	1	4/5/2004
Lead	1500	1.0		mg/Kg	1	4/5/2004
Molybdenum	12	1.0		mg/Kg	1	4/5/2004
Nickel	23	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	26	1.0		mg/Kg	1	4/5/2004
Zinc	380	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401D	QC Batch: 17669			PrepDate	4/1/2004	Analyst: **JT**
Mercury	0.11	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-178-S
Lab Order:	067989		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067989-052A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	89	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	19	1.0		mg/Kg	1	4/5/2004
Cobalt	5.8	1.0		mg/Kg	1	4/5/2004
Copper	36	1.0		mg/Kg	1	4/5/2004
Lead	550	1.0		mg/Kg	1	4/5/2004
Molybdenum	1.4	1.0		mg/Kg	1	4/5/2004
Nickel	12	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	24	1.0		mg/Kg	1	4/5/2004
Zinc	280	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401D	QC Batch: 17669			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-012A	610-167-S	0.91	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-020A	610-169-S	0.53	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-024A	610-170-S	0.40	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-025A	610-170-0.3	0.32	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-028A	610-171-S	0.25	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-032A	610-172-S	ND	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-039A	610-174-S	2.0	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-040A	610-174-0.3	1.8	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-041A	610-174-0.6	0.76	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-042A	610-175-S	ND	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-045A	610-176-S	0.28	mg/L	R37151	0.25	1	3/22/2004	4/14/2004

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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067989
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067989-047A	610-176-0.6	0.27	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-048A	610-177-S	0.31	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-052A	610-178-S	1.0	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067989-056A	610-179-S	0.32	mg/L	R37151	0.25	1	3/22/2004	4/14/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *26-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17520A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541322**

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

Sample ID **MB-17520B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541336**

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

Sample ID **MB-17521A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325E**
Client ID: **ZZZZZ** Batch ID: **17521** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541359**

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

Sample ID **MB-17521B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325E**
Client ID: **ZZZZZ** Batch ID: **17521** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541373**

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

Sample ID **MB-17522A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325F**
Client ID: **ZZZZZ** Batch ID: **17522** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541391**

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

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17522B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325F**
Client ID: **ZZZZZ** Batch ID: **17522** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541405**

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

Sample ID **MB-17523A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541581**

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

Sample ID **MB-17523B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541595**

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

Sample ID **LCS-17520** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.8	5.0	250	0	101	80	120	0	0		

Sample ID **LCS-17521** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325E**
Client ID: **ZZZZZ** Batch ID: **17521** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	254.4	5.0	250	0	102	80	120	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17522** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325F**
Client ID: **ZZZZZ** Batch ID: **17522** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	261.4	5.0	250	0	105	80	120	0	0		

Sample ID **LCS-17523** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	247.9	5.0	250	0	99.2	80	120	0	0		

Sample ID **067989-005AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **610-165-S** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.9	5.0	250	31.44	72.2	47	125	0	0		

Sample ID **067989-015AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **610-167-1.5** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541348**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	184.1	5.0	250	5.451	71.5	47	125	0	0		

Sample ID **067989-025AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325E**
Client ID: **610-170-0.3** Batch ID: **17521** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541372**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	378	5.0	250	169	83.6	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067989-035AMS	MS	6010_SPB	mg/Kg	3/24/2004	ICP5_040325E
Client ID: 610-173-S	Batch ID: 17521	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541385

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.1	5.0	250	10.21	74.3	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067989-045AMS	MS	6010_SPB	mg/Kg	3/24/2004	ICP5_040325F
Client ID: 610-176-S	Batch ID: 17522	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541404

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	293.3	5.0	250	150.8	57	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067989-055AMS	MS	6010_SPB	mg/Kg	3/24/2004	ICP5_040325F
Client ID: 610-178-1.5	Batch ID: 17522	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541417

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	223.7	5.0	250	43.2	72.2	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067989-065AMS	MS	6010_SPB	mg/Kg	3/24/2004	ICP5_040326A
Client ID: 610-161-0.3	Batch ID: 17523	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/26/2004	SeqNo: 541594

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.9	5.0	250	4.007	68	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067990-008AMS	MS	6010_SPB	mg/Kg	3/24/2004	ICP5_040326A
Client ID: ZZZZZ	Batch ID: 17523	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/26/2004	SeqNo: 541607

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.722	5.0	250	30.05	-9.73	47	125	0	0		S

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	067989-005ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040325D
Client ID:	610-165-S	Batch ID:	17520	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	541334

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.59	5.0	0	0	0	0	0	31.44	3.57	20	

Sample ID	067989-015ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040325D
Client ID:	610-167-1.5	Batch ID:	17520	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	541347

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.87	5.0	0	0	0	0	0	5.451	74.1	20	R

Sample ID	067989-025ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040325E
Client ID:	610-170-0.3	Batch ID:	17521	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	541371

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	257.5	5.0	0	0	0	0	0	169	41.5	20	R

Sample ID	067989-035ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040325E
Client ID:	610-173-S	Batch ID:	17521	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	541384

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.372	5.0	0	0	0	0	0	10.21	46.3	20	R

Sample ID	067989-045ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040325F
Client ID:	610-176-S	Batch ID:	17522	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	541403

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	158.3	5.0	0	0	0	0	0	150.8	4.85	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067989-055ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325F**
Client ID: **610-178-1.5** Batch ID: **17522** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	39.05	5.0	0	0	0	0	0	43.2	10.1	20	

Sample ID **067989-065ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **610-161-0.3** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.007	0	20	

Sample ID **067990-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326A**
Client ID: **ZZZZZ** Batch ID: **17523** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.838	5.0	0	0	0	0	0	30.05	135	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067989-050ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325A**
Client ID: **610-177-0.6** Batch ID: **R36428** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.74	0.10	0	0	0	0	0	8.1	4.55	20	

Sample ID **067991-028ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325B**
Client ID: **ZZZZZ** Batch ID: **R36430** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.46	0.10	0	0	0	0	0	7.36	1.35	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17654** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547469**

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

Sample ID **MB-17654A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547470**

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

Sample ID **MB-17654B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547483**

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

Sample ID **MB-17655** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547498**

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

Sample ID **MB-17655A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17655B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547527**

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

Sample ID **LCS-17654** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.065	0.25	5	0	101	80	120	0	0		

Sample ID **LCS-17655** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547526**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.075	0.25	5	0	102	80	120	0	0		

Sample ID **067989-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **610-167-0.3** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.042	0.25	5	3.188	97.1	70	130	0	0		

Sample ID **067989-041AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **610-174-0.6** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.39	1.2	5	19.53	117	70	130	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067990-016AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.62	0.50	5	14.21	108	70	130	0	0		

Sample ID **068017-003AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.29	0.50	5	6.737	131	70	130	0	0		S

Sample ID **067989-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **610-167-0.3** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.092	0.25	0	0	0	0	0	3.188	3.07	20	

Sample ID **067989-041ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **610-174-0.6** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.23	0.50	0	0	0	0	0	19.53	18.4	20	

Sample ID **067990-016ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.11	0.50	0	0	0	0	0	14.21	16.0	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068017-003ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547523**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.143	0.25	0	0	0	0	0	6.737	26.8	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17713A	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405B
Client ID: ZZZZZ	Batch ID: 17713	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547305

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17713B	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405B
Client ID: ZZZZZ	Batch ID: 17713	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547306

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17691A TCLP	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405B
Client ID: ZZZZZ	Batch ID: 17713	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547307

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17691B TCLP	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405B
Client ID: ZZZZZ	Batch ID: 17713	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547308

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17713	LCS	7420_TC	mg/L	4/5/2004	AA2_040405B
Client ID: ZZZZZ	Batch ID: 17713	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547309

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.156	0.25	1	0	116	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067989-040AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **610-174-0.3** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.786	0.25	2.5	3.035	110	70	130	0	0		

Sample ID **067990-009AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547333**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.765	0.25	2.5	0.07617	108	70	130	0	0		

Sample ID **067989-040ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **610-174-0.3** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.946	0.25	0	0	0	0	0	3.035	2.99	20	

Sample ID **067990-009ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405B**
Client ID: **ZZZZZ** Batch ID: **17713** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547332**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.07617	0	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17695** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546997**

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

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	

Qualifiers:
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Calculations are based on raw values
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

Qualifiers:
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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	MB-17669	SampType:	MBLK	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545033

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

Sample ID	LCS-17669	SampType:	LCS	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545032

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.708	0.10	2.08	0	82.1	80	120	0	0		

Sample ID	067964-005AMS	SampType:	MS	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545022

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.772	0.10	0.83	0.1528	74.6	62	146	0	0		

Sample ID	067964-005AMSD	SampType:	MSD	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7803	0.10	0.83	0.1528	75.6	62	146	0.772	1.07	30	

Sample ID	067964-005ADUP	SampType:	DUP	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545021

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1685	0.10	0	0	0	0	0	0.1528	9.74	30	

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H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17818** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552812**

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

Sample ID **MB-17818A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552813**

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

Sample ID **MB-17818B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552827**

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

Sample ID **LCS-17818** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.242	0.25	5	0	105	80	120	0	0		

Sample ID **067989-042AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **610-175-S** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.581	0.25	5	0.2414	107	70	130	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067989
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067991-003AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.576	0.25	5	0.2245	107	70	130	0	0		

Sample ID **067989-042ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **610-175-S** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2609	0.25	0	0	0	0	0	0.2414	7.76	20	

Sample ID **067991-003ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2245	0	20	

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Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0607989-001	610-164-S		3/22/04	1130	soil	1	X
-002	610-164-0.3			1131			
-003	610-164-0.6			1133			
-004	610-164-1.5			1135			
-005	610-165-S			1142			
-006	610-~~[illegible]~~165-0.3			1143			
-007	610-165-0.6			1145			
-008	610-166-S			1130			
-009	610-166-0.3			1133			
-010	610-166-0.6			1135			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	9-22-04	9:15p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] 032304	9-22-04	9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 3 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0603484-011	610-166-1.5		3/22/04	1140	soil	1	X
-012	610-167-S			1143			
-013	610-167-0.3			1144			
-014	610-167-0.6			1145			
-015	610-167-1.5			1150			
-016	610-168-S			1158			
-017	610-168-0.3			1159			
-018	610-168-0.6			1200			
-019	610-168-1.5			1205			
-020	610-167-S			1156			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-22-04	Time: 5:15p
Relinquished by: (Signature)	Received by: (Signature) 032304	Date: 3-23-04	Time: 8:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 3 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
079989-021	610-169-0.3		3/22/04	1157	soil	1	X
- 022	610-169-0.6			1200			
- 023	610-169-1.5			1203			
- 024	610-170-S			1342			
- 025	610-170-0.3			1343			
- 026	610-170-0.6			1344			
- 027	610-170-1.5			1348			
- 028	610-171-S			1344			
- 029	610-171-0.3			1345			
- 030	610-171-0.6			1350			

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Relinquished by: (Signature)	Received by: (Signature) 03/22/04	Date: 3-22-04	Time: 8:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 4 OF 7

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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
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SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 4

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067489-031	610-171-1.5		3/22/04	1355	soil	1	X
- 032	610-172-0.5			1354			
- 033	610-172-0.3			1355			
- 034	610-172-0.6			1400			
- 035	610-173-5			1358			
- 036	610-173-0.3			1359			
- 037	610-173-0.6			1400			
- 038	610-173-1.5			1416			
- 039	610-174-5			1407			
- 040	610-174-0.3			1408			

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		3-22-04	5:15p
	032304	3-22-04	9:45p

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CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 5 OF 7

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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403189-041	610-174-0.6		3/22/04	1410	soil	1	X
-042	610-175-S			1517			
-043	610-175-0.3			1518			
-044	610-175-0.6			1520			
-045	610-176-S			1519			
-046	610-176-0.3			1520			
-047	610-176-0.6			1522			
-048	610-177-S			1506			
-049	610-177-0.3			1507			
-050	610-177-0.6			1509			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15p
	032304	3-22-04	9:45p

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 6 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067189-057	610-177-1.5		3/22/04	1512	soil	1	X
-058	610-178-5			1508			
-059	610-178-0.3			1509			
-060	610-178-0.6			1510			
-055	610-178-1.5			1515			
-056	610-179-5			1449			
-057	610-179-0.3			1450			
-058	610-179-0.6			1452			
-059	610-179-1.5			1455			
-060	610-180-5			1452			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-22-04	Time: 5:15p
Relinquished by: (Signature)	Received by: (Signature) 042304	Date: 3-22-04	Time: 9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 7 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0601089-061	610-180-0.3		3/22/04	1453	soil	1	X
-062	610-180-0.6			1454			
-063	610-180-1.5			1456			
-064	610-161-5			1605			
-065	610-161-0.3			1606			
-066	610-161-0.6			1607			
-067	610-161-1.5			1610			
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15p
	032204	3-22-04	9:45p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068026

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-001A	610-181-S	280	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068026-002A	610-181-0.3	56	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068026-003A	610-181-0.6	70	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-004A	610-182-S	180	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-005A	610-182-0.3	9.1	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-006A	610-182-0.6	ND	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-007A	610-182-1.5	30	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-008A	610-183-S	760	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-009A	610-183-0.3	27	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-010A	610-183-0.6	63	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-011A	610-184-S	ND	mg/Kg	17547	5	1	3/23/2004	3/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-012A	610-184-0.3	ND	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-013A	610-184-0.6	ND	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-014A	610-184-1.5	ND	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-015A	610-186-S	530	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-016A	610-186-0.3	6.9	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-017A	610-186-0.6	32	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-018A	610-186-1.5	5.5	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-019A	610-187-S	34	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-020A	610-187-0.3	7.3	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-021A	610-187-0.6	ND	mg/Kg	17547	5	1	3/23/2004	3/29/2004
068026-022A	610-187-1.5	11	mg/Kg	17547	5	1	3/23/2004	3/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-023A	610-185-S	7.0	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068026-024A	610-185-0.3	ND	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068026-025A	610-185-0.6	9.2	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068026-026A	610-185-1.5	29	mg/Kg	17548	5	1	3/23/2004	3/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-006A	610-182-0.6	8.87	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068026-012A	610-184-0.3	7.93	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068026-018A	610-186-1.5	8.53	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068026-022A	610-187-1.5	8.04	pH Units	R36450	0.1	1	3/23/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-001A	610-181-S	24	mg/L	R36975	2.5	10	3/23/2004	4/9/2004
068026-002A	610-181-0.3	2.9	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068026-003A	610-181-0.6	5.5	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068026-004A	610-182-S	25	mg/L	R36975	1.2	5	3/23/2004	4/9/2004
068026-008A	610-183-S	57	mg/L	R36975	2.5	10	3/23/2004	4/9/2004
068026-010A	610-183-0.6	5.2	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068026-015A	610-186-S	34	mg/L	R36975	2.5	10	3/23/2004	4/9/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-001A	610-181-S	0.82	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068026-002A	610-181-0.3	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068026-003A	610-181-0.6	0.38	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068026-004A	610-182-S	1.4	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068026-008A	610-183-S	1.5	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068026-010A	610-183-0.6	ND	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068026-015A	610-186-S	0.65	mg/L	17761	0.25	1	3/23/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-183-S
Lab Order:	068026		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068026-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	7.6	1.0		mg/Kg	1	4/12/2004
Barium	120	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	22	1.0		mg/Kg	1	4/12/2004
Cobalt	7.4	1.0		mg/Kg	1	4/12/2004
Copper	56	1.0		mg/Kg	1	4/12/2004
Lead	790	1.0		mg/Kg	1	4/12/2004
Molybdenum	2.5	1.0		mg/Kg	1	4/12/2004
Nickel	19	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	31	1.0		mg/Kg	1	4/12/2004
Zinc	200	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-186-S
Lab Order:	068026		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068026-015A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.0	1.0		mg/Kg	1	4/12/2004
Barium	100	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	17	1.0		mg/Kg	1	4/12/2004
Cobalt	6.1	1.0		mg/Kg	1	4/12/2004
Copper	47	1.0		mg/Kg	1	4/12/2004
Lead	560	1.0		mg/Kg	1	4/12/2004
Molybdenum	2.6	1.0		mg/Kg	1	4/12/2004
Nickel	15	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	25	1.0		mg/Kg	1	4/12/2004
Zinc	160	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding.time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068026
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068026-001A	610-181-S	0.27	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068026-003A	610-181-0.6	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068026-004A	610-182-S	0.28	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068026-008A	610-183-S	0.32	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068026-010A	610-183-0.6	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068026-015A	610-186-S	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068026
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17546A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542181**

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

Sample ID **MB-17547A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **ZZZZZ** Batch ID: **17547** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542852**

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

Sample ID **MB-17547B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **ZZZZZ** Batch ID: **17547** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542866**

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

Sample ID **MB-17548A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542880**

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

Sample ID **MB-17548B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542894**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068026
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17546B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **543463**

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

Sample ID **LCS-17546** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	244.3	5.0	250	0	97.7	80	120	0	0		

Sample ID **LCS-17547** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **ZZZZZ** Batch ID: **17547** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.5	5.0	250	0	102	80	120	0	0		

Sample ID **LCS-17548** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	256.3	5.0	250	0	103	80	120	0	0		

Sample ID **068025-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.07	5.0	250	75.19	-23.2	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068026-012AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **610-184-0.3** Batch ID: **17547** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542865**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	393.3	5.0	250	2.631	156	47	125	0	0		S

Sample ID **068026-022AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **610-187-1.5** Batch ID: **17547** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	388.2	5.0	250	11.09	151	47	125	0	0		S

Sample ID **068028-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	623.4	5.0	250	119.8	201	47	125	0	0		S

Sample ID **068028-016AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	628.9	5.0	250	1085	-182	47	125	0	0		S

Sample ID **068026-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **610-181-0.3** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **543476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	422.2	5.0	250	55.56	147	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068025-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.55	5.0	0	0	0	0	0	75.19	111	20	R

Sample ID **068026-012ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **610-184-0.3** Batch ID: **17547** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.631	0	20	

Sample ID **068026-022ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329A**
Client ID: **610-187-1.5** Batch ID: **17547** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.23	5.0	0	0	0	0	0	11.09	37.7	20	R

Sample ID **068028-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	148.7	5.0	0	0	0	0	0	119.8	21.5	20	R

Sample ID **068028-016ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1006	5.0	0	0	0	0	0	1085	7.55	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068026-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **610-181-0.3** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **543475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	44.19	5.0	0	0	0	0	0	55.56	22.8	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068029-020ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325F**
Client ID: **ZZZZZ** Batch ID: **R36450** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.28	0.10	0	0	0	0	0	7.28	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *12-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17738	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040409C
Client ID:	ZZZZZ	Batch ID:	R36975	TestNo:	WET/ EPA 74			Analysis Date:	4/9/2004	SeqNo:	549753

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

Sample ID	MB-17738A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040409C
Client ID:	ZZZZZ	Batch ID:	R36975	TestNo:	WET/ EPA 74			Analysis Date:	4/9/2004	SeqNo:	549754

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

Sample ID	MB-17738B	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040409C
Client ID:	ZZZZZ	Batch ID:	R36975	TestNo:	WET/ EPA 74			Analysis Date:	4/9/2004	SeqNo:	549768

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

Sample ID	LCS-17738	SampType:	LCS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040409C
Client ID:	ZZZZZ	Batch ID:	R36975	TestNo:	WET/ EPA 74			Analysis Date:	4/9/2004	SeqNo:	549755

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.036	0.25	5	0	101	80	120	0	0		

Sample ID	068026-001AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040409C
Client ID:	610-181-S	Batch ID:	R36975	TestNo:	WET/ EPA 74			Analysis Date:	4/9/2004	SeqNo:	549767

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	2.5	5	23.58	78.3	70	130	0	0		

Qualifiers:
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Calculations are based on raw values
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068029-007AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.44	1.2	5	9.35	102	70	130	0	0		

Sample ID **068026-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **610-181-S** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.62	2.5	0	0	0	0	0	23.58	45.9	20	R

Sample ID **068029-007ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.95	0.25	0	0	0	0	0	9.35	4.37	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *21-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17760A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552841**

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

Sample ID **MB-17744A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552842**

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

Sample ID **MB-17760B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552855**

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

Sample ID **MB-17744B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552856**

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

Sample ID **MB-17761A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552871**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17745A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552872**

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

Sample ID **MB-17761B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552886**

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

Sample ID **MB-17745B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552887**

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

Sample ID **LCS-17760** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.129	0.25	1	0	113	80	120	0	0		

Sample ID **LCS-17761** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.076	0.25	1	0	108	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	068024-001AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552857

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.764	0.25	2.5	0.1471	105	70	130	0	0		

Sample ID	068026-003AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	610-181-0.6	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552869

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.759	0.25	2.5	0.3822	95.1	70	130	0	0		

Sample ID	068029-019AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414G
Client ID:	ZZZZZ	Batch ID:	17761	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552885

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.135	0.25	2.5	1.354	111	70	130	0	0		

Sample ID	068029-050AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414G
Client ID:	ZZZZZ	Batch ID:	17761	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552899

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.492	0.25	2.5	0.6312	114	70	130	0	0		

Sample ID	068024-001ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552854

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1471	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	068026-003ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	610-181-0.6	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552868

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4122	0.25	0	0	0	0	0	0.3822	7.54	20	

Sample ID	068029-019ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414G
Client ID:	ZZZZZ	Batch ID:	17761	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552884

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.299	0.25	0	0	0	0	0	1.354	4.10	20	

Sample ID	068029-050ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414G
Client ID:	ZZZZZ	Batch ID:	17761	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552898

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.643	0.25	0	0	0	0	0	0.6312	1.85	20	

Qualifiers:
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068026
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550713**

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

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.62	2.0	50	0	89.2	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.59	1.0	50	0	89.2	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	45.66	1.0	50	0	91.3	80	120	0	0		
Cadmium	44.74	1.0	50	0	89.5	80	120	0	0		
Chromium	47.65	1.0	50	0	95.3	80	120	0	0		
Cobalt	45.91	1.0	50	0	91.8	80	120	0	0		
Copper	47.05	2.0	50	0	94.1	80	120	0	0		
Lead	46.9	1.0	50	0	93.8	80	120	0	0		
Molybdenum	45.93	1.0	50	0	91.9	80	120	0	0		
Nickel	45.09	1.0	50	0	90.2	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	54.6	1.0	50	0	109	80	120	0	0		
Thallium	49.32	1.0	50	0	98.6	80	120	0	0		
Vanadium	44.44	1.0	50	0	88.9	80	120	0	0		
Zinc	44.88	1.0	50	0	89.8	80	120	0	0		

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.24	1.0	50	0	94.5	80	120	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77	2.0	125	0	61.6	23	118	0	0		
Arsenic	110	1.0	125	5.84	83.3	64	111	0	0		
Barium	273.5	1.0	125	158.5	92	36	146	0	0		
Beryllium	101.5	1.0	125	0	81.2	50	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	2.035	75.6	62	107	0	0		
Chromium	145.5	1.0	125	40.94	83.6	63	119	0	0		
Cobalt	112	1.0	125	8.03	83.2	63	111	0	0		
Copper	175.5	2.0	125	53.55	97.6	58	136	0	0		
Lead	965	1.0	125	806	127	47	125	0	0		S
Molybdenum	111	1.0	125	3.235	86.2	63	116	0	0		
Nickel	127.5	1.0	125	25.73	81.4	57	116	0	0		
Selenium	89.5	1.0	125	0	71.6	47	118	0	0		
Silver	136	1.0	125	0	109	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	138.5	1.0	125	35.66	82.3	65	122	0	0		
Zinc	330	1.0	125	236.1	75.1	36	140	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	799.3	1.0	125	627.5	137	47	125	0	0		S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.5	2.0	125	0	62	23	118	77	0.647	20	
Arsenic	109.5	1.0	125	5.84	82.9	64	111	110	0.456	20	
Barium	265	1.0	125	158.5	85.2	36	146	273.5	3.16	20	
Beryllium	100	1.0	125	0	80	50	120	101.5	1.49	20	
Cadmium	94.5	1.0	125	2.035	74	62	107	96.5	2.09	20	
Chromium	152.5	1.0	125	40.94	89.2	63	119	145.5	4.70	20	
Cobalt	110	1.0	125	8.03	81.6	63	111	112	1.80	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	166.5	2.0	125	53.55	90.4	58	136	175.5	5.26	20	
Lead	909.5	1.0	125	806	82.8	47	125	965	5.92	20	
Molybdenum	108.5	1.0	125	3.235	84.2	63	116	111	2.28	20	
Nickel	125	1.0	125	25.73	79.4	57	116	127.5	1.98	20	
Selenium	89	1.0	125	0	71.2	47	118	89.5	0.560	20	
Silver	129	1.0	125	0	103	48	125	136	5.28	20	
Thallium	108.5	1.0	125	0	86.8	49	116	111	2.28	20	
Vanadium	138.5	1.0	125	35.66	82.3	65	122	138.5	0	20	
Zinc	302.5	1.0	125	236.1	53.1	36	140	330	8.70	20	

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	743.7	1.0	125	627.5	92.9	47	125	799.3	7.21	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	5.34	1.0	0	0	0	0	0	5.84	8.94	20	
Barium	141	1.0	0	0	0	0	0	158.5	11.7	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	1.19	1.0	0	0	0	0	0	2.035	52.4	20	R
Chromium	28.28	1.0	0	0	0	0	0	40.94	36.6	20	R
Cobalt	9.255	1.0	0	0	0	0	0	8.03	14.2	20	
Copper	62.3	2.0	0	0	0	0	0	53.55	15.1	20	
Lead	650.5	1.0	0	0	0	0	0	806	21.4	20	R
Molybdenum	2.6	1.0	0	0	0	0	0	3.235	21.8	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	26.62	1.0	0	0	0	0	0	25.73	3.42	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.2	1.0	0	0	0	0	0	35.66	1.28	20	
Zinc	209.7	1.0	0	0	0	0	0	236.1	11.8	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	541.2	1.0	0	0	0	0	0	627.5	14.8	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17771** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549051**

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

Sample ID **LCS-17771** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID **067988-040AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
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Date: *21-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17837** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554901**

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

Sample ID **MB-17837A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554902**

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

Sample ID **MB-17837B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554916**

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

Sample ID **LCS-17837** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.02	0.25	5	0	100	80	120	0	0		

Sample ID **068028-002AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.87	0.25	5	2.621	105	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068026
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068029-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.302	0.25	5	0	106	70	130	0	0		

Sample ID **068028-002ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.187	0.25	0	0	0	0	0	2.621	18.1	20	

Sample ID **068029-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23

PAGE: 1 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0804 - 001	610- 181-5		3/23/04	1134	soil	1	X
- 002	610- 181-0.3			1135			
- 003	610- 181-0.6			1136			
- 004	610- 182-5			1141			
- 005	610- 182-0.3			1142			
- 006	610- 182-0.6			1143			
- 007	610- 182-1.5			1145			
- 008	610- 183-5			1141			
- 009	610- 183-0.3			1142			
- 010	610- 183-0.6			1145			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 15 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL / /

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
	610-184-5		3/23/04	1311	soil	1	X
	610-184-0.3			1312			
	610-184-0.6			1313			
	610-184-1.5			1315			
	610-185-5 (186-5)			1418			
	610-186-0.3			1419			
	610-186-0.6			1420			
	610-186-1.5			1422			
	610-187-5			1418			
	610-187-0.3			1419			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
NM		3-23-04	5:00
		3-23-04	9:30
		Date:	Time:

Advanced Technology Laboratories
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Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 5

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0680726-01	610-184-S		3/23/04	1311	soil	1	X
-02	610-184-0.3			1312			
-03	610-184-0.6			1313			
-04	610-184-1.5			1315			
-05	610-185-S			1418			
-06	610-186-0.3			1419			
-07	610-186-0.6			1420			
-08	610-186-1.5			1422			
-09	610-187-S			1418			
-10	610-187-0.3			1419			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403216-021	610- 187-0.6		3/23/04	1420	soil	1	X
022	610- 187-1.5		3/23/04	1422	soil	1	X
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 5

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL / /

SPECIAL INSTRUCTIONS

ADD TO GROUP 5 (EA 129411)

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
[illegible]	610-185-5		3/23	13:12	soil	1	X
[illegible]	610-185-0.3		↓	13:13	↓	↓	↓
[illegible]	610-185-0.6		↓	13:15	↓	↓	↓
[illegible]	610-185-1.5		↓	13:18	↓	↓	↓
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/25/04	12:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068045

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-001A	610-188-S	85	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-002A	610-188-0.3	140	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-003A	610-188-0.6	5.6	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-004A	610-189-S	15	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-005A	610-189-0.3	8.9	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-006A	610-189-0.6	13	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-007A	610-190-S	130	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-008A	610-190-0.3	170	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-009A	610-190-0.6	31	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-010A	610-191-S	100	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-011A	610-191-0.3	7.2	mg/Kg	17555	5	1	3/24/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-012A	610-191-0.6	5.3	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-013A	610-192-S	130	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-014A	610-192-0.3	100	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-015A	610-192-0.6	45	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-016A	610-193-S	140	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-017A	610-193-0.3	17	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-018A	610-193-0.6	20	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-019A	610-194-S	150	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-020A	610-194-0.3	63	mg/Kg	17555	5	1	3/24/2004	3/30/2004
068045-021A	610-194-0.6	37	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-022A	610-195-S	520	mg/Kg	17556	5	1	3/24/2004	3/30/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-023A	610-195-0.3	40	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-024A	610-195-0.6	ND	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-025A	610-196-S	140	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-026A	610-196-0.3	24	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-027A	610-196-0.6	ND	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-028A	610-197-S	85	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-029A	610-197-0.3	7.4	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-030A	610-197-0.6	ND	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-031A	610-198-S	130	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-032A	610-198-0.3	12	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068045-033A	610-198-0.6	13	mg/Kg	17556	5	1	3/24/2004	3/30/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-008A	610-190-0.3	8.07	pH Units	R36507	0.1	1	3/24/2004	3/26/2004
068045-016A	610-193-S	7.76	pH Units	R36507	0.1	1	3/24/2004	3/26/2004
068045-024A	610-195-0.6	7.74	pH Units	R36507	0.1	1	3/24/2004	3/26/2004
068045-032A	610-198-0.3	6.90	pH Units	R36507	0.1	1	3/24/2004	3/26/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-001A	610-188-S	4.7	mg/L	R36977	0.25	1	3/24/2004	4/10/2004
068045-002A	610-188-0.3	11	mg/L	R36977	0.5	2	3/24/2004	4/10/2004
068045-007A	610-190-S	9.7	mg/L	R36977	0.25	1	3/24/2004	4/10/2004
068045-008A	610-190-0.3	9.3	mg/L	R36977	0.25	1	3/24/2004	4/10/2004
068045-010A	610-191-S	8.5	mg/L	R36977	0.25	1	3/24/2004	4/10/2004
068045-013A	610-192-S	18	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068045-014A	610-192-0.3	9.2	mg/L	R36978	0.25	1	3/24/2004	4/10/2004
068045-016A	610-193-S	12	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068045-019A	610-194-S	17	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068045-020A	610-194-0.3	0.74	mg/L	R36978	0.25	1	3/24/2004	4/10/2004
068045-022A	610-195-S	12	mg/L	R36978	0.5	2	3/24/2004	4/10/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-025A	610-196-S	16	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068045-028A	610-197-S	4.8	mg/L	R36978	0.25	1	3/24/2004	4/10/2004
068045-031A	610-198-S	6.1	mg/L	R36978	0.25	1	3/24/2004	4/10/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-002A	610-188-0.3	0.27	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-007A	610-190-S	0.36	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-008A	610-190-0.3	0.43	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-013A	610-192-S	0.76	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-016A	610-193-S	0.28	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-019A	610-194-S	0.58	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-022A	610-195-S	0.83	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-025A	610-196-S	ND	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068045-031A	610-198-S	ND	mg/L	17762	0.25	1	3/24/2004	4/14/2004

Qualifiers:

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H - Sample exceeded analytical holding time
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-190-0.3
Lab Order:	068045		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/24/2004
Lab ID:	068045-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	7.2	1.0		mg/Kg	1	4/12/2004
Barium	130	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	21	1.0		mg/Kg	1	4/12/2004
Cobalt	8.8	1.0		mg/Kg	1	4/12/2004
Copper	33	1.0		mg/Kg	1	4/12/2004
Lead	290	1.0		mg/Kg	1	4/12/2004
Molybdenum	1.7	1.0		mg/Kg	1	4/12/2004
Nickel	20	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	33	1.0		mg/Kg	1	4/12/2004
Zinc	120	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408C	QC Batch: 17770			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-195-S
Lab Order:	068045		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/24/2004
Lab ID:	068045-022A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	1.4	1.0		mg/Kg	1	4/12/2004
Arsenic	6.3	1.0		mg/Kg	1	4/12/2004
Barium	210	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	1.8	1.0		mg/Kg	1	4/12/2004
Chromium	33	1.0		mg/Kg	1	4/12/2004
Cobalt	7.3	1.0		mg/Kg	1	4/12/2004
Copper	110	1.0		mg/Kg	1	4/12/2004
Lead	400	1.0		mg/Kg	1	4/12/2004
Molybdenum	6.9	1.0		mg/Kg	1	4/12/2004
Nickel	26	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	30	1.0		mg/Kg	1	4/12/2004
Zinc	430	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408C	QC Batch: 17770			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.15	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068045
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068045-002A	610-188-0.3	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-007A	610-190-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-008A	610-190-0.3	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-010A	610-191-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-013A	610-192-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-014A	610-192-0.3	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-016A	610-193-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-019A	610-194-S	0.40	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-022A	610-195-S	3.4	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-025A	610-196-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068045-031A	610-198-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17555B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **ZZZZZ** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544323**

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

Sample ID **MB-17555A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **ZZZZZ** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544337**

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

Sample ID **MB-17556A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544338**

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

Sample ID **MB-17556B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544352**

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

Sample ID **LCS-17555** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **ZZZZZ** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.9	5.0	250	0	100	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17556** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.7	5.0	250	0	101	80	120	0	0		

Sample ID **068045-010AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **610-191-S** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	294.2	5.0	250	102	76.9	47	125	0	0		

Sample ID **068045-020AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **610-194-0.3** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	228.5	5.0	250	63.03	66.2	47	125	0	0		

Sample ID **068045-030AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **610-197-0.6** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	185.2	5.0	250	3.986	72.5	47	125	0	0		

Sample ID **068046-007AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.6	5.0	250	2.785	68.3	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068045-010ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **610-191-S** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	113.5	5.0	0	0	0	0	0	102	10.7	20	

Sample ID **068045-020ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330G**
Client ID: **610-194-0.3** Batch ID: **17555** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544334**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	38.73	5.0	0	0	0	0	0	63.03	47.8	20	R

Sample ID **068045-030ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **610-197-0.6** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.986	0	20	

Sample ID **068046-007ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.785	0	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068046-012ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326D**
Client ID: **ZZZZZ** Batch ID: **R36507** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.44	0.10	0	0	0	0	0	8.46	0.237	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17749** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549811**

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

Sample ID **MB-17749A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549812**

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

Sample ID **MB-17749B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549827**

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

Sample ID **MB-17750** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549841**

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

Sample ID **MB-17750A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549842**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17750B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549856**

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

Sample ID **LCS-17749** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549813**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.889	0.25	5	0	97.8	80	120	0	0		

Sample ID **LCS-17750** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.249	0.25	5	0	105	80	120	0	0		

Sample ID **068029-070AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.33	1.2	5	26.61	74.5	70	130	0	0		

Sample ID **068045-010AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **610-191-S** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50	5	8.459	90.9	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068046-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.53	1.2	5	38.92	92.1	70	130	0	0		

Sample ID **068056-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	62.39	2.5	5	59.6	55.7	70	130	0	0		S

Sample ID **068029-070ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.73	1.2	0	0	0	0	0	26.61	0.461	20	

Sample ID **068045-010ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **610-191-S** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.026	0.25	0	0	0	0	0	8.459	5.26	20	

Sample ID **068046-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.89	1.2	0	0	0	0	0	38.92	2.69	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068056-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	61.61	2.5	0	0	0	0	0	59.6	3.32	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *21-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17762A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553009**

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

Sample ID **MB-17746A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553010**

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

Sample ID **MB-17762B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553025**

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

Sample ID **MB-17746B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553026**

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

Sample ID **LCS-17762** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.189	0.25	1	0	119	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068045-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **610-192-S** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.308	0.25	2.5	0.7553	102	70	130	0	0		

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2813	103	70	130	0	0		

Sample ID **068045-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **610-192-S** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7348	0.25	0	0	0	0	0	0.7553	2.75	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2927	0.25	0	0	0	0	0	0.2813	3.97	20	

Qualifiers:
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Date: *21-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17804	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/9/2004	Run ID:	ICP2_040412D
Client ID:	ZZZZZ	Batch ID:	17804	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/12/2004	SeqNo:	551143

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

Sample ID	MB-17804	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/9/2004	Run ID:	ICP5_040413I
Client ID:	ZZZZZ	Batch ID:	17804	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/13/2004	SeqNo:	551743

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID	LCS-17804	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/9/2004	Run ID:	ICP2_040412D
Client ID:	ZZZZZ	Batch ID:	17804	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/12/2004	SeqNo:	551137

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

Qualifiers:
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

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Calculations are based on raw values
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17770	MBLK	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: ZZZZZ	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549006

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17770	LCS	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: ZZZZZ	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549005

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.357	0.10	2.08	0	113	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068045-008AMS	MS	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: 610-190-0.3	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 548984

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8702	0.10	0.83	0.04723	99.1	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068045-008AMSD	MSD	7471_S	mg/Kg	4/8/2004	AA1_040408C
Client ID: 610-190-0.3	Batch ID: 17770	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 548985

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.922	0.10	0.83	0.04723	105	62	146	0.8702	5.79	30	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17839** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554992**

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

Sample ID **MB-17839A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554993**

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

Sample ID **MB-17839B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555008**

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

Sample ID **LCS-17839** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.108	0.25	5	0	102	80	120	0	0		

Sample ID **068045-008AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **610-190-0.3** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.372	0.25	5	0	107	70	130	0	0		

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068045
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068046-005AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.368	0.25	5	0.1359	105	70	130	0	0		

Sample ID **068045-008ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **610-190-0.3** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068046-005ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1359	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/03
PAGE: 1 OF 4

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0308045-001	610-188-S		3/24	9:23	soil		
-002	610-188-0.3			9:26			
-003	610-188-0.6			9:28			
-004	610-189-S			9:27			
-005	610-189-0.3			9:31			
-006	610-189-0.6			9:34			
-007	610-190-S			9:27			
-008	610-190-0.3			9:31			
-009	610-190-0.6			9:35			
-010	610-191-S			9:48			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-03	5:00p
		3-24-03	6:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 2 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068045-011	610-191-0.3		3/24	9:57	soil		
-012	610-191-0.6			9:54			
-013	610-192-5			9:52			
-014	610-192-0.3			9:56			
-015	610-192-0.6			9:59			
-016	610-193-5			9:52			
-017	610-193-0.3			9:55			
-018	610-193-0.6			9:57			
-019	610-194-5			11:06			
-020	610-194-0.3			11:10			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00p
		3-24-04	6:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 3 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.
FIELD NOTES: EA129411 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068045-021	610-194-0.6		3/24	11:15	soil		
-022	610-195-5			11:08			
-023	610-195-0.3			11:11			
-024	610-195-0.6			11:14			
-025	610-196-5			11:03			
-026	610-196-0.3			11:06			
-027	610-196-0.6			11:09			
-028	610-197-5			11:27			
-029	610-197-0.3			11:30			
-030	610-197-0.6			11:33			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	6:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 4 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068045-021	610- 198-5		3/24	11:29	soil		
- 032	610- 198-0.3			11:32			
- 033	610- 198-0.6			11:34			
	610- ~~200-5~~			~~14:39~~			
	610- ~~200-0.3~~			~~14:36~~			
	610- ~~200-0.6~~			~~14:42~~			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00p
[signature]	[signature]	3-24-04	6:30p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068057

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068057
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068057-001A	610-199-S	210	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068057-002A	610-199-0.3	130	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068057-003A	610-199-0.6	13	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068057-004A	610-200-S	150	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068057-005A	610-200-0.3	38	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068057-006A	610-200-0.6	9.8	mg/Kg	17591	5	1	3/24/2004	3/31/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/14/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068057
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068057-001A	610-199-S	15	mg/L	R36980	0.5	2	3/24/2004	4/10/2004
068057-002A	610-199-0.3	8.4	mg/L	R36980	0.25	1	3/24/2004	4/10/2004
068057-004A	610-200-S	7.2	mg/L	R36980	0.25	1	3/24/2004	4/10/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068057
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068057-001A	610-199-S	0.35	mg/L	17764	0.25	1	3/24/2004	4/14/2004
068057-002A	610-199-0.3	ND	mg/L	17764	0.25	1	3/24/2004	4/14/2004
068057-004A	610-200-S	0.26	mg/L	17764	0.25	1	3/24/2004	4/14/2004
068057-005A	610-200-0.3	ND	mg/L	17764	0.25	1	3/24/2004	4/14/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068057
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068057-001A	610-199-S	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068057-002A	610-199-0.3	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068057-004A	610-200-S	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17591A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544492

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

Sample ID	MB-17591B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544506

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

Sample ID	LCS-17591	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544493

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.2	5.0	250	0	112	80	120	0	0		

Sample ID	068057-002AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	610-199-0.3	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544505

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.7	5.0	250	131.4	60.1	47	125	0	0		

Sample ID	068058-006AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544518

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	188.1	5.0	250	12.06	70.4	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068057-002ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	610-199-0.3	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544504

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	178.7	5.0	0	0	0	0	0	131.4	30.5	20	R

Sample ID	068058-006ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544517

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.25	5.0	0	0	0	0	0	12.06	16.2	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *14-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17752** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549899**

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

Sample ID **MB-17752A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549900**

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

Sample ID **MB-17752B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549914**

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

Sample ID **LCS-17752** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **068059-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.42	2.5	5	26.74	73.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068086-018AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.663	0.25	5	3.313	87	70	130	0	0		

Sample ID **068059-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.6	1.2	0	0	0	0	0	26.74	21.3	20	R

Sample ID **068086-018ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.971	0.25	0	0	0	0	0	3.313	57.2	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17764A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552943

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

Sample ID	MB-17764B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552961

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

Sample ID	MB-17748B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552962

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

Sample ID	LCS-17764	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552946

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.106	0.25	1	0	111	80	120	0	0		

Sample ID	068086-001AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414I
Client ID:	ZZZZZ	Batch ID:	17764	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552960

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.414	0.25	2.5	3.61	72.2	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068086-034AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.73	0.50	2.5	14.89	-46.7	70	130	0	0		S

Sample ID **068086-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.95	0.25	0	0	0	0	0	3.61	8.99	20	

Sample ID **068086-034ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.57	0.50	0	0	0	0	0	14.89	33.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17877** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555079**

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

Sample ID **MB-17877A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555080**

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

Sample ID **MB-17877B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555094**

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

Sample ID **LCS-17877** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.206	0.25	5	0	104	80	120	0	0		

Sample ID **068059-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.583	0.25	5	0.1728	108	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068057
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068086-067AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.536	0.25	5	0	111	70	130	0	0		

Sample ID **068059-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1728	0	20	

Sample ID **068086-067ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4231	0.25	0	0	0	0	0	0	200	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1 Cont. from 3/22/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
08017-N1	610- 199-5		3/24	11:33	soil		
-N2	610- 199-0.3			11:36			
-N3	610- 199-0.6			11:42			
-N4	610- 200-5			1:40			
-N5	610- 200-0.3			1:43			
-N6	610- 200-0.6			1:47			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00p
[signature]	[signature]	3-24-04	6:30

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067988

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-001A	610-207-S	8.4	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-002A	610-207-0.3	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-003A	610-207-0.6	21	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-004A	610-208-S	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-005A	610-208-0.3	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-006A	610-208-0.6	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-007A	610-209-S	10	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-008A	610-209-0.3	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-009A	610-209-0.6	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-010A	610-210-S	66	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-011A	610-210-0.3	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-012A	610-202-S	57	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-013A	610-202-0.3	9.7	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-014A	610-202-0.6	ND	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-015A	610-201-S	95	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-016A	610-201-0.3	26	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-017A	610-201-0.6	24	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-018A	610-204-S	29	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-019A	610-204-0.3	17	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-020A	610-204-0.6	6.6	mg/Kg	17518	5	1	3/22/2004	3/25/2004
067988-021A	610-204-1.5	6.8	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-022A	610-205-S	210	mg/Kg	17519	5	1	3/22/2004	3/25/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-023A	610-205-0.3	8.1	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-024A	610-205-0.6	20	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-025A	610-205-1.5	10	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-026A	610-206-S	120	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-027A	610-206-0.3	5.2	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-028A	610-206-0.6	18	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-029A	610-206-1.5	10	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-030A	610-203-S	29	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-031A	610-203-0.3	13	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-032A	610-203-0.6	ND	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-033A	610-203-1.5	ND	mg/Kg	17519	5	1	3/22/2004	3/25/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-034A	610-211-S	90	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-035A	610-211-0.3	26	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-036A	610-211-0.6	ND	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-037A	610-212-S	210	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-038A	610-212-0.3	17	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-039A	610-212-0.6	12	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-040A	610-213-S	260	mg/Kg	17519	5	1	3/22/2004	3/25/2004
067988-041A	610-213-0.3	24	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067988-042A	610-213-0.6	7.7	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067988-043A	610-214-S	29	mg/Kg	17520	5	1	3/22/2004	3/25/2004
067988-044A	610-214-0.3	23	mg/Kg	17520	5	1	3/22/2004	3/25/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-045A	610-214-0.6	7.4	mg/Kg	17520	5	1	3/22/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-046A	610-EB-01C	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067988-047A	610-EB-02C	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067988-048A	610-EB-03C	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067988-049A	610-EB-04C	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067988-050A	610-EB-05C	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-010A	610-210-S	7.10	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067988-020A	610-204-0.6	8.03	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067988-030A	610-203-S	6.44	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067988-040A	610-213-S	7.43	pH Units	R36428	0.1	1	3/22/2004	3/25/2004
067988-045A	610-214-0.6	8.30	pH Units	R36428	0.1	1	3/22/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-010A	610-210-S	2.9	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067988-012A	610-202-S	8.1	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067988-015A	610-201-S	6.2	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067988-022A	610-205-S	16	mg/L	R36829	0.5	2	3/22/2004	4/6/2004
067988-026A	610-206-S	3.8	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067988-034A	610-211-S	3.2	mg/L	R36829	0.25	1	3/22/2004	4/6/2004
067988-037A	610-212-S	13	mg/L	R36829	0.5	2	3/22/2004	4/6/2004
067988-040A	610-213-S	8.3	mg/L	R36829	0.25	1	3/22/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-010A	610-210-S	ND	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-012A	610-202-S	ND	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-015A	610-201-S	ND	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-022A	610-205-S	0.42	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-026A	610-206-S	ND	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-034A	610-211-S	ND	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-037A	610-212-S	ND	mg/L	17760	0.25	1	3/22/2004	4/14/2004
067988-040A	610-213-S	0.35	mg/L	17760	0.25	1	3/22/2004	4/14/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-213-S
Lab Order:	067988		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067988-040A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	4.5	1.0		mg/Kg	1	4/12/2004
Barium	100	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	17	1.0		mg/Kg	1	4/12/2004
Cobalt	6.7	1.0		mg/Kg	1	4/12/2004
Copper	28	1.0		mg/Kg	1	4/12/2004
Lead	280	1.0		mg/Kg	1	4/12/2004
Molybdenum	2.2	1.0		mg/Kg	1	4/12/2004
Nickel	15	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	33	1.0		mg/Kg	1	4/12/2004
Zinc	110	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067988
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067988-012A	610-202-S	ND	mg/L	R37150	0.25	1	3/22/2004	4/14/2004
067988-015A	610-201-S	ND	mg/L	R37150	0.25	1	3/22/2004	4/14/2004
067988-022A	610-205-S	0.43	mg/L	R37150	0.25	1	3/22/2004	4/14/2004
067988-037A	610-212-S	0.32	mg/L	R37150	0.25	1	3/22/2004	4/14/2004
067988-040A	610-213-S	0.55	mg/L	R37150	0.25	1	3/22/2004	4/14/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17518A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325B**
Client ID: **ZZZZZ** Batch ID: **17518** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541266**

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

Sample ID **MB-17518B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325B**
Client ID: **ZZZZZ** Batch ID: **17518** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541280**

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

Sample ID **MB-17519A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325C**
Client ID: **ZZZZZ** Batch ID: **17519** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541294**

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

Sample ID **MB-17519B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325C**
Client ID: **ZZZZZ** Batch ID: **17519** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541308**

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

Sample ID **MB-17520A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541322**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17520B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541336**

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

Sample ID **LCS-17518** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325B**
Client ID: **ZZZZZ** Batch ID: **17518** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	246.6	5.0	250	0	98.6	80	120	0	0		

Sample ID **LCS-17519** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325C**
Client ID: **ZZZZZ** Batch ID: **17519** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	257.6	5.0	250	0	103	80	120	0	0		

Sample ID **LCS-17520** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.8	5.0	250	0	101	80	120	0	0		

Sample ID **067988-010AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325B**
Client ID: **610-210-S** Batch ID: **17518** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240.7	5.0	250	66.34	69.7	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	067988-020AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/24/2004	Run ID: ICP5_040325B
Client ID:	610-204-0.6	Batch ID: 17518	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541292

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183.7	5.0	250	6.61	70.8	47	125	0	0		

Sample ID	067988-030AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/24/2004	Run ID: ICP5_040325C
Client ID:	610-203-S	Batch ID: 17519	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541307

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.1	5.0	250	28.59	70.2	47	125	0	0		

Sample ID	067988-040AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/24/2004	Run ID: ICP5_040325C
Client ID:	610-213-S	Batch ID: 17519	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541320

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	440.8	5.0	250	264	70.7	47	125	0	0		

Sample ID	067989-005AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/24/2004	Run ID: ICP5_040325D
Client ID:	ZZZZZ	Batch ID: 17520	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541335

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.9	5.0	250	31.44	72.2	47	125	0	0		

Sample ID	067989-015AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/24/2004	Run ID: ICP5_040325D
Client ID:	ZZZZZ	Batch ID: 17520	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 541348

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	184.1	5.0	250	5.451	71.5	47	125	0	0		

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067988-010ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325B**
Client ID: **610-210-S** Batch ID: **17518** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.57	5.0	0	0	0	0	0	66.34	25.1	20	R

Sample ID **067988-020ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325B**
Client ID: **610-204-0.6** Batch ID: **17518** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.976	5.0	0	0	0	0	0	6.61	30.4	20	R

Sample ID **067988-030ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325C**
Client ID: **610-203-S** Batch ID: **17519** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51.32	5.0	0	0	0	0	0	28.59	56.9	20	R

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325C**
Client ID: **610-213-S** Batch ID: **17519** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	172.3	5.0	0	0	0	0	0	264	42.0	20	R

Sample ID **067989-005ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541334**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.59	5.0	0	0	0	0	0	31.44	3.57	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067989-015ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040325D**
Client ID: **ZZZZZ** Batch ID: **17520** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **541347**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.87	5.0	0	0	0	0	0	5.451	74.1	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	MB-17573	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/26/2004	Run ID:	ICP2_040326C
Client ID:	ZZZZZ	Batch ID:	17573	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/26/2004	SeqNo:	541808

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

Sample ID	LCS-17573	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/26/2004	Run ID:	ICP2_040326C
Client ID:	ZZZZZ	Batch ID:	17573	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/26/2004	SeqNo:	541809

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.88	0.25	1	0	88	85	115	0	0		

Sample ID	067988-050AMS	SampType:	MS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/26/2004	Run ID:	ICP2_040326C
Client ID:	610-EB-05C	Batch ID:	17573	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/26/2004	SeqNo:	541820

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.32	0.25	2.5	0	92.8	67	120	0	0		

Sample ID	067988-050ADUP	SampType:	DUP	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/26/2004	Run ID:	ICP2_040326C
Client ID:	610-EB-05C	Batch ID:	17573	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/26/2004	SeqNo:	541819

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067989-050ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325A**
Client ID: **ZZZZZ** Batch ID: **R36428** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.74	0.10	0	0	0	0	0	8.1	4.55	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17654** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547469**

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

Sample ID **MB-17654A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547470**

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

Sample ID **MB-17654B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547483**

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

Sample ID **LCS-17654** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.065	0.25	5	0	101	80	120	0	0		

Sample ID **067989-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.042	0.25	5	3.188	97.1	70	130	0	0		

Qualifiers:
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H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067989-041AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	25.39	1.2	5	19.53	117	70	130	0	0		

Sample ID **067989-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.092	0.25	0	0	0	0	0	3.188	3.07	20	

Sample ID **067989-041ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405G**
Client ID: **ZZZZZ** Batch ID: **R36829** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16.23	0.50	0	0	0	0	0	19.53	18.4	20	

Qualifiers:
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Date: *16-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17760A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552841

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

Sample ID	MB-17744A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552842

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

Sample ID	MB-17760B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552855

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

Sample ID	MB-17744B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552856

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

Sample ID	LCS-17760	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552843

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.129	0.25	1	0	113	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068024-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.764	0.25	2.5	0.1471	105	70	130	0	0		

Sample ID **068026-003AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.759	0.25	2.5	0.3822	95.1	70	130	0	0		

Sample ID **068024-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1471	0	20	

Sample ID **068026-003ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4122	0.25	0	0	0	0	0	0.3822	7.54	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17803	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/9/2004	Run ID:	ICP2_040412C
Client ID:	ZZZZZ	Batch ID:	17803	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/12/2004	SeqNo:	550713

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

Sample ID	MB-17803	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/9/2004	Run ID:	ICP5_040413H
Client ID:	ZZZZZ	Batch ID:	17803	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/13/2004	SeqNo:	551726

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID	LCS-17803	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/9/2004	Run ID:	ICP2_040412C
Client ID:	ZZZZZ	Batch ID:	17803	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/12/2004	SeqNo:	550714

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.62	2.0	50	0	89.2	80	120	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.59	1.0	50	0	89.2	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	45.66	1.0	50	0	91.3	80	120	0	0		
Cadmium	44.74	1.0	50	0	89.5	80	120	0	0		
Chromium	47.65	1.0	50	0	95.3	80	120	0	0		
Cobalt	45.91	1.0	50	0	91.8	80	120	0	0		
Copper	47.05	2.0	50	0	94.1	80	120	0	0		
Lead	46.9	1.0	50	0	93.8	80	120	0	0		
Molybdenum	45.93	1.0	50	0	91.9	80	120	0	0		
Nickel	45.09	1.0	50	0	90.2	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	54.6	1.0	50	0	109	80	120	0	0		
Thallium	49.32	1.0	50	0	98.6	80	120	0	0		
Vanadium	44.44	1.0	50	0	88.9	80	120	0	0		
Zinc	44.88	1.0	50	0	89.8	80	120	0	0		

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.24	1.0	50	0	94.5	80	120	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77	2.0	125	0	61.6	23	118	0	0		
Arsenic	110	1.0	125	5.84	83.3	64	111	0	0		
Barium	273.5	1.0	125	158.5	92	36	146	0	0		
Beryllium	101.5	1.0	125	0	81.2	50	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	2.035	75.6	62	107	0	0		
Chromium	145.5	1.0	125	40.94	83.6	63	119	0	0		
Cobalt	112	1.0	125	8.03	83.2	63	111	0	0		
Copper	175.5	2.0	125	53.55	97.6	58	136	0	0		
Lead	965	1.0	125	806	127	47	125	0	0		S
Molybdenum	111	1.0	125	3.235	86.2	63	116	0	0		
Nickel	127.5	1.0	125	25.73	81.4	57	116	0	0		
Selenium	89.5	1.0	125	0	71.6	47	118	0	0		
Silver	136	1.0	125	0	109	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	138.5	1.0	125	35.66	82.3	65	122	0	0		
Zinc	330	1.0	125	236.1	75.1	36	140	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	799.3	1.0	125	627.5	137	47	125	0	0		S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.5	2.0	125	0	62	23	118	77	0.647	20	
Arsenic	109.5	1.0	125	5.84	82.9	64	111	110	0.456	20	
Barium	265	1.0	125	158.5	85.2	36	146	273.5	3.16	20	
Beryllium	100	1.0	125	0	80	50	120	101.5	1.49	20	
Cadmium	94.5	1.0	125	2.035	74	62	107	96.5	2.09	20	
Chromium	152.5	1.0	125	40.94	89.2	63	119	145.5	4.70	20	
Cobalt	110	1.0	125	8.03	81.6	63	111	112	1.80	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	166.5	2.0	125	53.55	90.4	58	136	175.5	5.26	20	
Lead	909.5	1.0	125	806	82.8	47	125	965	5.92	20	
Molybdenum	108.5	1.0	125	3.235	84.2	63	116	111	2.28	20	
Nickel	125	1.0	125	25.73	79.4	57	116	127.5	1.98	20	
Selenium	89	1.0	125	0	71.2	47	118	89.5	0.560	20	
Silver	129	1.0	125	0	103	48	125	136	5.28	20	
Thallium	108.5	1.0	125	0	86.8	49	116	111	2.28	20	
Vanadium	138.5	1.0	125	35.66	82.3	65	122	138.5	0	20	
Zinc	302.5	1.0	125	236.1	53.1	36	140	330	8.70	20	

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	743.7	1.0	125	627.5	92.9	47	125	799.3	7.21	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	5.34	1.0	0	0	0	0	0	5.84	8.94	20	
Barium	141	1.0	0	0	0	0	0	158.5	11.7	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	1.19	1.0	0	0	0	0	0	2.035	52.4	20	R
Chromium	28.28	1.0	0	0	0	0	0	40.94	36.6	20	R
Cobalt	9.255	1.0	0	0	0	0	0	8.03	14.2	20	
Copper	62.3	2.0	0	0	0	0	0	53.55	15.1	20	
Lead	650.5	1.0	0	0	0	0	0	806	21.4	20	R
Molybdenum	2.6	1.0	0	0	0	0	0	3.235	21.8	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	26.62	1.0	0	0	0	0	0	25.73	3.42	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.2	1.0	0	0	0	0	0	35.66	1.28	20	
Zinc	209.7	1.0	0	0	0	0	0	236.1	11.8	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	541.2	1.0	0	0	0	0	0	627.5	14.8	20	

Qualifiers:
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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17771** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549051**

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

Sample ID **LCS-17771** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **610-213-S** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID **067988-040AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **610-213-S** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **610-213-S** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17813** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552783**

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

Sample ID **MB-17813A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552784**

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

Sample ID **MB-17813B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552798**

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

Sample ID **LCS-17813** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **067962-009AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.464	0.25	5	0.2293	105	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067988
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **610-213-S** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.833	0.25	5	0.5511	106	70	130	0	0		

Sample ID **067962-009ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2293	0	20	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **610-213-S** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.5581	0.25	0	0	0	0	0	0.5511	1.27	20	

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: table 7
EA129411 - [redacted]

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0603486-001	610-207-5		3/22	10:39	soil	1	X
- 002	610-207-0.3		3/22	10:41			
- 003	610-207-0.6		3/22	10:44			
- 004	610-208-5			10:42			
- 005	610-208-0.3			10:45			
- 006	610-208-0.6			10:57			
- 007	610-209-5			10:59			
- 008	610-209-0.3			11:03			
- 009	610-209-0.6			11:06			
- 010	610-210-5			10:25			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	3:15p
Relinquished by: (Signature)	Received by: (Signature) 032304	3-22-04	9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 2 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: 7
EA129411 - ~~BRIDGE~~

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403188-011	610-210-0.3	~~10:30~~	3/22	10:25	soil	1	X
-012	610-202-S	~~11:27~~		11:27			
-013	610-202-0.3			11:30			
-014	610-202-0.6			11:34			
-015	610-201-S			11:23			
-016	610-201-0.3			11:27			
-017	610-201-0.6			11:30			
-018	610-204-S			12:01			
-019	610-204-0.3			12:03			
-020	610-204-0.6			12:06			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:54
	032304	3-22-04	9:45p

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Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 3 OF 6

CLIENT: Geocon Burbank
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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - ~~BRIDGE~~ 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067988 - 021	610- 204 - 1.5		3/22	12:15	soil	1	X
- 022	610- 205 - S			12:08			
- 023	610- 205 - 0.3			12:11			
- 024	610- 205 - 0.6			12:15			
- 025	610- 205 - 1.5			12:20			
- 026	610- 206 - S			12:30			
- 027	610- 206 - 0.3			12:33			
- 028	610- 206 - 0.6			12:39			
- 029	610- 206 - 1.5			12:46			
- 030	610- 203 - S			2:00			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-22-04	5:05p
[signature]	[signature] 032304	3-22-04	9:45p

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CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 4 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - ~~BRIDGE~~ 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
06-7988-031	610- 203 - 0.3		3/22	2:05	soil	1	X
- 032	610- 203 - 0.6			2:09			
- 033	610- 203 - 1.5			2:13			
- 034	610- 211 - S			3:03			
- 035	610- 211 - 0.3			3:06			
- 036	610- 211 - 0.6			3:10			
- 037	610- 212 - S			3:15			
- 038	610- 212 - 0.3			3:18			
- 039	610- 212 - 0.6			3:23			
- 040	610- 213 - S			3:30			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-22-04	5:15p
[signature]	[signature] 032304	3-22-04	9:45p

Advanced Technology Laboratories
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CHAIN OF CUSTODY

DATE:

PAGE: 5 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - ~~BRIDGE~~ 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067488-041	610- 213-0.3		3/22	3:33	soil	1	X
- 042	610- 213-0.6			3:37			
- 043	610- 214-0.5			3:45			
- 044	610- 214-0.3			3:49			
- 045	610- 214-0.6			3:58			
	610-						
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15p
Relinquished by: (Signature)	Received by: (Signature) 037304	3-22-04	9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 6 OF 6

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0079488 - 046	610-EB- 01AC		3/22	11:10	water	1	X
- 047	610-EB- 02AC			12:20			
- 048	610-EB- 03AC			12:55			
- 049	610-EB- 04AC			3:15			
- 050	610-EB- 05AC			4:10			
	610-EB-						
	610-EB-						
	610-EB-						
	610-EB-						
	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	9-22-04	5:15p
[signature]	[signature] 04/22/04	9-22-04	9:30p

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068055

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068055
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068055-001A	610-215-S	470	mg/Kg	17554	5	1	3/23/2004	3/26/2004
068055-002A	610-215-0.3	81	mg/Kg	17554	5	1	3/23/2004	3/26/2004
068055-003A	610-215-0.6	22	mg/Kg	17554	5	1	3/23/2004	3/26/2004
068055-004A	610-216-S	210	mg/Kg	17554	5	1	3/23/2004	3/26/2004
068055-005A	610-216-0.3	26	mg/Kg	17554	5	1	3/23/2004	3/26/2004
068055-006A	610-216-0.6	15	mg/Kg	17554	5	1	3/23/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068055
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068055-001A	610-215-S	7.09	pH Units	R36507	0.1	1	3/23/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068055
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068055-001A	610-215-S	28	mg/L	R36835	1.2	5	3/23/2004	4/6/2004
068055-002A	610-215-0.3	7.8	mg/L	R36835	0.25	1	3/23/2004	4/6/2004
068055-004A	610-216-S	13	mg/L	R36835	0.5	2	3/23/2004	4/6/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068055
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068055-001A	610-215-S	0.70	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068055-002A	610-215-0.3	0.25	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068055-004A	610-216-S	0.28	mg/L	17762	0.25	1	3/23/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-215-S
Lab Order:	068055		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068055-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.5	1.0		mg/Kg	1	4/12/2004
Barium	140	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	24	1.0		mg/Kg	1	4/12/2004
Cobalt	7.7	1.0		mg/Kg	1	4/12/2004
Copper	62	1.0		mg/Kg	1	4/12/2004
Lead	830	1.0		mg/Kg	1	4/12/2004
Molybdenum	3.9	1.0		mg/Kg	1	4/12/2004
Nickel	22	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	35	1.0		mg/Kg	1	4/12/2004
Zinc	220	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068055
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068055-001A	610-215-S	0.61	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068055-002A	610-215-0.3	ND	mg/L	R37195	0.25	1	3/23/2004	4/16/2004
068055-004A	610-216-S	ND	mg/L	R37195	0.25	1	3/23/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17554** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040326E**
Client ID: **ZZZZZ** Batch ID: **17554** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541839**

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

Sample ID **LCS-17554** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040326E**
Client ID: **ZZZZZ** Batch ID: **17554** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	216.8	5.0	250	0	86.7	80	120	0	0		

Sample ID **068055-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040326E**
Client ID: **610-216-0.6** Batch ID: **17554** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541848**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.8	5.0	250	14.63	74.1	47	125	0	0		

Sample ID **068055-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040326E**
Client ID: **610-216-0.6** Batch ID: **17554** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.581	5.0	0	0	0	0	0	14.63	63.5	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068046-012ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326D**
Client ID: **ZZZZZ** Batch ID: **R36507** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.44	0.10	0	0	0	0	0	8.46	0.237	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17657** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547569**

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

Sample ID **MB-17657A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547570**

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

Sample ID **MB-17657B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547583**

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

Sample ID **LCS-17657** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.197	0.25	5	0	104	80	120	0	0		

Sample ID **068023-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.4	0.50	5	14.67	94.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **610-216-S** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.48	0.50	5	13.27	84.1	70	130	0	0		

Sample ID **068023-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **ZZZZZ** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.83	0.50	0	0	0	0	0	14.67	7.64	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406C**
Client ID: **610-216-S** Batch ID: **R36835** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11	0.50	0	0	0	0	0	13.27	18.7	20	

Qualifiers:
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Date: *19-Apr-04*

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Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17762A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553009**

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

Sample ID **MB-17746A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553010**

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

Sample ID **MB-17762B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553025**

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

Sample ID **MB-17746B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553026**

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

Sample ID **LCS-17762** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.189	0.25	1	0	119	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068045-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.308	0.25	2.5	0.7553	102	70	130	0	0		

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **610-216-S** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2813	103	70	130	0	0		

Sample ID **068045-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7348	0.25	0	0	0	0	0	0.7553	2.75	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **610-216-S** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2927	0.25	0	0	0	0	0	0.2813	3.97	20	

Qualifiers:
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Date: *19-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551143**

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

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

Qualifiers:
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17771** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549051**

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

Sample ID **LCS-17771** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID **067988-040AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

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Calculations are based on raw values
DO- Surrogate dilute out
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Date: *19-Apr-04*

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

CLIENT: Geocon Environmental
Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17820	mblk	7420_DI	mg/L		AA2_040416D
Client ID: ZZZZZ	Batch ID: R37195	TestNo: WET DI/ EPA		Analysis Date: 4/16/2004	SeqNo: 553680

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17820A	mblk	7420_DI	mg/L		AA2_040416D
Client ID: ZZZZZ	Batch ID: R37195	TestNo: WET DI/ EPA		Analysis Date: 4/16/2004	SeqNo: 553681

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17820B	mblk	7420_DI	mg/L		AA2_040416D
Client ID: ZZZZZ	Batch ID: R37195	TestNo: WET DI/ EPA		Analysis Date: 4/16/2004	SeqNo: 553708

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17820	LCS	7420_DI	mg/L		AA2_040416D
Client ID: ZZZZZ	Batch ID: R37195	TestNo: WET DI/ EPA		Analysis Date: 4/16/2004	SeqNo: 553910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.024	0.25	5	0	100	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068055-001AMS	MS	7420_DI	mg/L		AA2_040416D
Client ID: 610-215-S	Batch ID: R37195	TestNo: WET DI/ EPA		Analysis Date: 4/16/2004	SeqNo: 553707

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.813	0.25	5	0.6128	104	70	130	0	0		

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DO- Surrogate dilute out
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068055
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **610-216-S** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.456	0.25	5	0.1806	106	70	130	0	0		

Sample ID **068055-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **610-215-S** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.6783	0.25	0	0	0	0	0	0.6128	10.2	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416D**
Client ID: **610-216-S** Batch ID: **R37195** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1806	0	20	

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Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1 cont from group 7 3/22/04

REQUESTED ANALYSIS: Lead

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0468	610- 215-5		3/23	8:54	soil	1	
0471	610- 215-0.3			8:56			
0473	610- 215-0.6			9:03			
0474	610- 216-5			8:55			
0475	610- 216-0.3			8:58			
0476	610- 216-0.6			9:01			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068086

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-001A	610-235-S	730	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-002A	610-235-0.3	250	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-003A	610-235-0.6	43	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-004A	610-235-1.5	99	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-005A	610-234-S	310	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-006A	610-234-0.3	24	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-007A	610-234-0.6	22	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-008A	610-233-S	210	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-009A	610-233-0.3	22	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-010A	610-233-0.6	25	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-011A	610-233-1.5	6.1	mg/Kg	17593	5	1	3/25/2004	4/1/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-012A	610-232-S	160	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-013A	610-232-0.3	34	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-014A	610-232-0.6	11	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-015A	610-232-1.5	24	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-016A	610-231-S	2400	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-017A	610-231-0.3	55	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-018A	610-231-0.6	83	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-019A	610-231-1.5	32	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-020A	610-230-S	1200	mg/Kg	17593	5	1	3/25/2004	4/1/2004
068086-021A	610-230-0.3	420	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-022A	610-230-0.6	20	mg/Kg	17594	5	1	3/25/2004	4/1/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-023A	610-229-S	1900	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-024A	610-229-0.3	680	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-025A	610-229-0.6	300	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-026A	610-229-1.5	ND	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-027A	610-228-S	1500	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-028A	610-228-0.3	470	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-029A	610-228-0.6	570	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-030A	610-228-1.5	56	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-031A	610-227-S	1300	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-032A	610-227-0.3	330	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-033A	610-227-0.6	140	mg/Kg	17594	5	1	3/25/2004	4/1/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-034A	610-226-S	1300	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-035A	610-226-0.3	910	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-036A	610-226-0.6	530	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-037A	610-226-1.5	790	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-038A	610-225-S	390	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-039A	610-225-0.3	590	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-040A	610-225-0.6	320	mg/Kg	17594	5	1	3/25/2004	4/1/2004
068086-041A	610-224-S	1500	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-042A	610-224-0.3	60	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-043A	610-224-0.6	58	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-045A	610-223-S	6.7	mg/Kg	17595	5	1	3/25/2004	4/1/2004

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-046A	610-223-0.3	30	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-047A	610-223-0.6	310	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-048A	610-222-S	82	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-049A	610-222-0.3	12	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-050A	610-222-0.6	23	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-051A	610-222-1.5	46	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-052A	610-221-S	200	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-053A	610-221-0.3	26	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-054A	610-221-0.6	13	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-055A	610-221-1.5	16	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-056A	610-220-S	190	mg/Kg	17595	5	1	3/25/2004	4/1/2004

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-057A	610-220-0.3	17	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-058A	610-220-0.6	28	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-059A	610-220-1.5	ND	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-060A	610-219-S	34	mg/Kg	17595	5	1	3/25/2004	4/1/2004
068086-061A	610-219-0.3	24	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-062A	610-219-0.6	15	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-063A	610-219-1.5	ND	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-064A	610-218-S	200	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-065A	610-218-0.3	87	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-066A	610-218-0.6	25	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-067A	610-217-S	220	mg/Kg	17596	5	1	3/25/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

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Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-068A	610-217-0.3	31	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068086-069A	610-217-0.6	82	mg/Kg	17596	5	1	3/25/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
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Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-010A	610-233-0.6	8.76	pH Units	R36508	0.1	1	3/25/2004	3/26/2004
068086-020A	610-230-S	7.79	pH Units	R36508	0.1	1	3/25/2004	3/26/2004
068086-030A	610-228-1.5	7.84	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068086-040A	610-225-0.6	8.82	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068086-050A	610-222-0.6	8.48	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068086-060A	610-219-S	8.71	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068086-069A	610-217-0.6	7.22	pH Units	R36509	0.1	1	3/25/2004	3/26/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-001A	610-235-S	69	mg/L	R36980	2.5	10	3/25/2004	4/10/2004
068086-002A	610-235-0.3	19	mg/L	R36980	0.5	2	3/25/2004	4/10/2004
068086-004A	610-235-1.5	6.5	mg/L	R36980	0.25	1	3/25/2004	4/10/2004
068086-005A	610-234-S	19	mg/L	R36980	0.5	2	3/25/2004	4/10/2004
068086-008A	610-233-S	19	mg/L	R36980	0.5	2	3/25/2004	4/10/2004
068086-012A	610-232-S	7.8	mg/L	R36980	0.25	1	3/25/2004	4/10/2004
068086-017A	610-231-0.3	3.1	mg/L	R36980	0.25	1	3/25/2004	4/10/2004
068086-018A	610-231-0.6	3.3	mg/L	R36980	0.25	1	3/25/2004	4/10/2004
068086-021A	610-230-0.3	32	mg/L	R37277	1.2	5	3/25/2004	4/19/2004
068086-024A	610-229-0.3	76	mg/L	R37277	2.5	10	3/25/2004	4/19/2004
068086-025A	610-229-0.6	22	mg/L	R37277	1	4	3/25/2004	4/19/2004

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Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-028A	610-228-0.3	34	mg/L	R37277	1.2	5	3/25/2004	4/19/2004
068086-029A	610-228-0.6	59	mg/L	R37277	2.5	10	3/25/2004	4/19/2004
068086-030A	610-228-1.5	14	mg/L	R37277	0.5	2	3/25/2004	4/19/2004
068086-032A	610-227-0.3	20	mg/L	R37277	1	4	3/25/2004	4/19/2004
068086-033A	610-227-0.6	18	mg/L	R37277	0.5	2	3/25/2004	4/19/2004
068086-035A	610-226-0.3	92	mg/L	R37277	2.5	10	3/25/2004	4/19/2004
068086-036A	610-226-0.6	82	mg/L	R37277	2.5	10	3/25/2004	4/19/2004
068086-037A	610-226-1.5	71	mg/L	R37277	2.5	10	3/25/2004	4/19/2004
068086-038A	610-225-S	33	mg/L	R37277	1.2	5	3/25/2004	4/19/2004
068086-039A	610-225-0.3	86	mg/L	R37277	2.5	10	3/25/2004	4/19/2004
068086-040A	610-225-0.6	14	mg/L	R37277	0.5	2	3/25/2004	4/19/2004

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Results are wet unless otherwise specified

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Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-042A	610-224-0.3	14	mg/L	R37277	0.5	2	3/25/2004	4/19/2004
068086-043A	610-224-0.6	7.8	mg/L	R37277	0.25	1	3/25/2004	4/19/2004
068086-047A	610-223-0.6	34	mg/L	R37277	1.2	5	3/25/2004	4/19/2004
068086-048A	610-222-S	5.7	mg/L	R37277	0.25	1	3/25/2004	4/19/2004
068086-052A	610-221-S	15	mg/L	R37277	0.5	2	3/25/2004	4/19/2004
068086-056A	610-220-S	14	mg/L	R37277	0.5	2	3/25/2004	4/19/2004
068086-064A	610-218-S	22	mg/L	R37088	1	4	3/25/2004	4/13/2004
068086-065A	610-218-0.3	6.3	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068086-067A	610-217-S	14	mg/L	R37088	0.5	2	3/25/2004	4/13/2004
068086-069A	610-217-0.6	2.5	mg/L	R37088	0.25	1	3/25/2004	4/13/2004

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Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-001A	610-235-S	3.6	mg/L	17764	0.25	1	3/25/2004	4/14/2004
068086-016A	610-231-S	12	mg/L	17764	0.5	2	3/25/2004	4/14/2004
068086-020A	610-230-S	6.2	mg/L	17764	0.25	1	3/25/2004	4/14/2004
068086-021A	610-230-0.3	0.59	mg/L	17764	0.25	1	3/25/2004	4/14/2004
068086-023A	610-229-S	32	mg/L	17764	1.2	5	3/25/2004	4/14/2004
068086-024A	610-229-0.3	6.7	mg/L	17764	0.25	1	3/25/2004	4/14/2004
068086-027A	610-228-S	14	mg/L	17764	0.5	2	3/25/2004	4/14/2004
068086-028A	610-228-0.3	2.1	mg/L	17764	0.25	1	3/25/2004	4/14/2004
068086-029A	610-228-0.6	4.8	mg/L	17764	0.25	1	3/25/2004	4/14/2004
068086-031A	610-227-S	11	mg/L	17764	0.5	2	3/25/2004	4/14/2004
068086-034A	610-226-S	15	mg/L	17764	0.5	2	3/25/2004	4/14/2004

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Advanced Technology Laboratories

Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-035A	610-226-0.3	8.9	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068086-036A	610-226-0.6	5.1	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068086-037A	610-226-1.5	5.9	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068086-039A	610-225-0.3	11	mg/L	17807	0.5	2	3/25/2004	4/16/2004
068086-041A	610-224-S	5.1	mg/L	17807	0.25	1	3/25/2004	4/16/2004

Qualifiers:

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DO - Surrogate Diluted Out
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Date: *26-Apr-04*

CLIENT: Geocon Environmental
Client Sample ID: 610-231-S
Lab Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111
Collection Date: 3/25/2004
Lab ID: 068086-016A
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	8.6	1.0		mg/Kg	1	4/12/2004
Arsenic	13	1.0		mg/Kg	1	4/12/2004
Barium	100	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	25	1.0		mg/Kg	1	4/12/2004
Cobalt	9.1	1.0		mg/Kg	1	4/12/2004
Copper	63	1.0		mg/Kg	1	4/12/2004
Lead	2400	1.0		mg/Kg	1	4/12/2004
Molybdenum	2.0	1.0		mg/Kg	1	4/12/2004
Nickel	20	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	29	1.0		mg/Kg	1	4/12/2004
Zinc	220	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

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Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-001A	610-235-S	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-002A	610-235-0.3	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-004A	610-235-1.5	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-005A	610-234-S	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-008A	610-233-S	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-012A	610-232-S	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-021A	610-230-0.3	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-024A	610-229-0.3	0.84	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-025A	610-229-0.6	0.25	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-028A	610-228-0.3	1.7	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-029A	610-228-0.6	0.52	mg/L	R37431	0.25	1	3/25/2004	4/26/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-030A	610-228-1.5	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-032A	610-227-0.3	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-033A	610-227-0.6	0.39	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-035A	610-226-0.3	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-036A	610-226-0.6	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-037A	610-226-1.5	0.34	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-038A	610-225-S	0.59	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-039A	610-225-0.3	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-040A	610-225-0.6	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-042A	610-224-0.3	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-043A	610-224-0.6	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004

Qualifiers:

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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/26/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068086
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068086-047A	610-223-0.6	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-048A	610-222-S	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-052A	610-221-S	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-056A	610-220-S	ND	mg/L	R37431	0.25	1	3/25/2004	4/26/2004
068086-064A	610-218-S	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-065A	610-218-0.3	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004
068086-067A	610-217-S	ND	mg/L	R37288	0.25	1	3/25/2004	4/19/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17593A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **ZZZZZ** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545675**

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

Sample ID **MB-17593B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **ZZZZZ** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545689**

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

Sample ID **MB-17594A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **ZZZZZ** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545703**

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

Sample ID **MB-17594B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **ZZZZZ** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545717**

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

Sample ID **MB-17595A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **ZZZZZ** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545731**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17595B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **ZZZZZ** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545746**

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

Sample ID **MB-17596A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545914**

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

Sample ID **MB-17596B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545928**

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

Sample ID **LCS-17593** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **ZZZZZ** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545676**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	232.7	5.0	250	0	93.1	80	120	0	0		

Sample ID **LCS-17594** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **ZZZZZ** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	234.2	5.0	250	0	93.7	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17595** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **ZZZZZ** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.8	5.0	250	0	102	80	120	0	0		

Sample ID **LCS-17596** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.8	5.0	250	0	107	80	120	0	0		

Sample ID **068086-010AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **610-233-0.6** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	208.4	5.0	250	24.76	73.5	47	125	0	0		

Sample ID **068086-020AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **610-230-S** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	989.8	5.0	250	1198	-83.4	47	125	0	0		S

Sample ID **068086-030AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **610-228-1.5** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	248.6	5.0	250	55.67	77.2	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068086-040AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **610-225-0.6** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	496.5	5.0	250	315.4	72.4	47	125	0	0		

Sample ID **068086-051AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **610-222-1.5** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209	5.0	250	46.49	65	47	125	0	0		

Sample ID **068086-060AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **610-219-S** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	225.5	5.0	250	34.2	76.5	47	125	0	0		

Sample ID **068087-001AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	468.1	5.0	250	311.6	62.6	47	125	0	0		

Sample ID **068087-011AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	400.6	5.0	250	190.3	84.1	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068086-010ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **610-233-0.6** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.36	5.0	0	0	0	0	0	24.76	14.8	20	

Sample ID **068086-020ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401E**
Client ID: **610-230-S** Batch ID: **17593** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	919.6	5.0	0	0	0	0	0	1198	26.3	20	R

Sample ID **068086-030ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **610-228-1.5** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545715**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46.9	5.0	0	0	0	0	0	55.67	17.1	20	

Sample ID **068086-040ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401F**
Client ID: **610-225-0.6** Batch ID: **17594** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.7	5.0	0	0	0	0	0	315.4	16.4	20	

Sample ID **068086-051ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **610-222-1.5** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.18	5.0	0	0	0	0	0	46.49	92.0	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068086-060ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040401G**
Client ID: **610-219-S** Batch ID: **17595** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/1/2004** SeqNo: **545756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.96	5.0	0	0	0	0	0	34.2	39.3	20	R

Sample ID **068087-001ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	334.8	5.0	0	0	0	0	0	311.6	7.19	20	

Sample ID **068087-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	181.3	5.0	0	0	0	0	0	190.3	4.85	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068086-020ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326E**
Client ID: **610-230-S** Batch ID: **R36508** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.67	0.10	0	0	0	0	0	7.79	1.55	20	

Sample ID **068088-044ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326F**
Client ID: **ZZZZZ** Batch ID: **R36509** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.35	0.10	0	0	0	0	0	7.45	1.35	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Date: *26-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17752	MBLK	7420_ST	mg/L		AA2_040410C
Client ID: ZZZZZ	Batch ID: R36980	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549899

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17752A	MBLK	7420_ST	mg/L		AA2_040410C
Client ID: ZZZZZ	Batch ID: R36980	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549900

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17752B	MBLK	7420_ST	mg/L		AA2_040410C
Client ID: ZZZZZ	Batch ID: R36980	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549914

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17754	mblk	7420_ST	mg/L		AA2_040413C
Client ID: ZZZZZ	Batch ID: R37088	TestNo: WET/ EPA 74		Analysis Date: 4/13/2004	SeqNo: 551797

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17754A	mblk	7420_ST	mg/L		AA2_040413C
Client ID: ZZZZZ	Batch ID: R37088	TestNo: WET/ EPA 74		Analysis Date: 4/13/2004	SeqNo: 551798

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17754B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551812**

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

Sample ID **MB-17753** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **ZZZZZ** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554818**

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

Sample ID **MB-17753A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **ZZZZZ** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554819**

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

Sample ID **MB-17753B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **ZZZZZ** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554833**

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

Sample ID **LCS-17752** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **LCS-17754** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.992	0.25	5	0	99.8	80	120	0	0		

Sample ID **LCS-17753** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **ZZZZZ** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.107	0.25	5	0	102	80	120	0	0		

Sample ID **068059-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.42	2.5	5	26.74	73.6	70	130	0	0		

Sample ID **068086-018AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **610-231-0.6** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.663	0.25	5	3.313	87	70	130	0	0		

Sample ID **068087-011AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.508	0.25	5	0	90.2	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068088-010AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.465	0.25	5	0	89.3	70	130	0	0		

Sample ID **068086-036AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **610-226-0.6** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	90.73	2.5	5	82.14	172	70	130	0	0		S

Sample ID **068086-056AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **610-220-S** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.24	0.50	5	13.63	92.2	70	130	0	0		

Sample ID **068059-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.6	1.2	0	0	0	0	0	26.74	21.3	20	R

Sample ID **068086-018ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **610-231-0.6** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.971	0.25	0	0	0	0	0	3.313	57.2	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068087-011ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068088-010ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068086-036ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **610-226-0.6** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	106.5	5.0	0	0	0	0	0	82.14	25.8	20	R

Sample ID **068086-056ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040419B**
Client ID: **610-220-S** Batch ID: **R37277** TestNo: **WET/ EPA 74** Analysis Date: **4/19/2004** SeqNo: **554844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.34	0.50	0	0	0	0	0	13.63	24.0	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *26-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17764A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552943**

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

Sample ID **MB-17764B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552961**

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

Sample ID **MB-17748B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552962**

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

Sample ID **MB-17807A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553585**

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

Sample ID **MB-17773A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553588**

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

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17807B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553606**

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

Sample ID **MB-17773B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553607**

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

Sample ID **LCS-17764** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552946**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.106	0.25	1	0	111	80	120	0	0		

Sample ID **LCS-17807** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.146	0.25	1	0	115	80	120	0	0		

Sample ID **068086-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **610-235-S** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.414	0.25	2.5	3.61	72.2	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068086-034AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **610-226-S** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.73	0.50	2.5	14.89	-46.7	70	130	0	0		S

Sample ID **068087-011AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.63	0.25	2.5	1.015	105	70	130	0	0		

Sample ID **068088-027AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.52	0.50	2.5	13.92	-56.1	70	130	0	0		S

Sample ID **068086-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **610-235-S** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.95	0.25	0	0	0	0	0	3.61	8.99	20	

Sample ID **068086-034ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **610-226-S** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.57	0.50	0	0	0	0	0	14.89	33.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068087-011ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.04	0.25	0	0	0	0	0	1.015	2.44	20	

Sample ID **068088-027ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.182	0.50	0	0	0	0	0	13.92	41.0	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
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Date: *26-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551143**

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

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

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Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

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CLIENT: Geocon Environmental
Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17771** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549051**

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

Sample ID **LCS-17771** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID **067988-040AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
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H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *26-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17877** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555079**

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

Sample ID **MB-17877A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555080**

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

Sample ID **MB-17877B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555094**

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

Sample ID **MB-17962** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **ZZZZZ** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557038**

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

Sample ID **MB-17962A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **ZZZZZ** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557039**

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

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068086
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17962B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **ZZZZZ** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557053**

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

Sample ID **LCS-17877** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.206	0.25	5	0	104	80	120	0	0		

Sample ID **LCS-17962** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **ZZZZZ** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.148	0.25	5	0	103	80	120	0	0		

Sample ID **068059-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.583	0.25	5	0.1728	108	70	130	0	0		

Sample ID **068086-067AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **610-217-S** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.536	0.25	5	0	111	70	130	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068086-036AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **610-226-0.6** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.295	0.25	5	0.07491	104	70	130	0	0		

Sample ID **068086-056AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **610-220-S** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.321	0.25	5	0.07417	105	70	130	0	0		

Sample ID **068059-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1728	0	20	

Sample ID **068086-067ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **610-217-S** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4231	0.25	0	0	0	0	0	0	200	20	R

Sample ID **068086-036ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **610-226-0.6** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.07491	0	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068086-056ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040426C**
Client ID: **610-220-S** Batch ID: **R37431** TestNo: **WET DI/ EPA** Analysis Date: **4/26/2004** SeqNo: **557064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.07417	0	20	

Qualifiers:
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R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
~~See Page 1~~ ADD TO GROUP 8 FROM 3/23/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
W8064-01	610-235-5		3/25/04	856	soil		X
-02	610-235-0.3			857			
-03	610-235-0.6			858			
-04	610-235-1.5			900			
-05	610-234-5			854			
-06	610-234-0.3			855			
-07	610-234-0.6			857			
-08	610-233-5			858			
-09	610-233-0.3			859			
-10	610-233-0.6			900			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 2 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

~~See Page 1~~ See pg 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-01	610-233-1.5		3/25/04	920	soil		X
-02	610-232-5			916			
-03	610-232-0.3			917			
-04	610-232-0.6			918			
-05	610-232-1.5			920			
-06	610-231-5			916			
-07	610-231-0.3			917			
-08	610-231-0.6			918			
-09	610-231-1.5			920			
-010	610-230-5			921			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 3 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-021	610-230-0.3		3/25/04	922	soil		X
-022	610-230-0.6		↓	924	↓		↓
-023	610-229-5		↓	942	↓		↓
-024	610-229-0.3		↓	944	↓		↓
-025	610-229-0.6		↓	946	↓		↓
-026	610-229-1.5		↓	948	↓		↓
-027	610-228-5		↓	942	↓		↓
-028	610-228-0.3		↓	944	↓		↓
-029	610-228-0.6		↓	946	↓		↓
-030	610-228-1.5		↓	948	↓		↓

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 6:21p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
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Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 4 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-01	610-227-5		3/25/04	949	soil		X
-02	610-227-0.3			950			
-03	610-227-0.6			952			
-04	610-226-5			954			
-05	610-226-0.3			955			
-06	610-226-0.6			957			
-07	610-226-1.5			1000			
-08	610-225-5			952			
-09	610-225-0.3			955			
-10	610-225-0.6			1000			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 5 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-041	610- 224-S		3/25/04	1004	soil		X
-042	610- 224-0.3			1006			
-043	610- 224-0.6			1007			
-044	610- 224-1.5			1011			
-045	610- 223-S			1029			
-046	610- 223-0.3			1030			
-047	610- 223-0.6			1031			
-048	610- 222-S			1031			
-049	610- 222-0.3			1033			
-050	610- 222-0.6			1035			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-25-04	Time: 6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 6 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-051	610-222-1.5		3/25/04	1037	soil		X
-052	610-221-5			1039			
-053	610-221-0.3			1039			
-054	610-221-0.6			1040			
-055	610-221-1.5			1045			
-056	610-220-5			1037			
-057	610-220-0.3			1038			
-058	610-220-0.6			1039			
-059	610-220-1.5			1042			
-060	610-219-5			1046			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 7 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-041	610-219-0.3		3/25/04	1047	soil		X
-042	610-219-0.6			1048			
-043	610-219-1.5			1050			
-044	610-218-0.3			1059			
-045	610-218-0.3			1100			
-046	610-218-0.6			1102			
-047	610-217-3			1100			
-048	610-217-0.3			1102			
-049	610-217-0.6			1105			
	~~610~~						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
		3-25-04	6:45

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068059

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068059
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068059-001A	610-238-S	620	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-002A	610-238-0.3	190	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-003A	610-238-0.6	110	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-004A	610-238-1.5	200	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-005A	610-237-S	1200	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-006A	610-237-0.3	20	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-007A	610-237-0.6	6.3	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-008A	610-236-S	1400	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-009A	610-236-0.3	370	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-010A	610-236-0.6	160	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068059-011A	610-236-1.5	380	mg/Kg	17592	5	1	3/24/2004	3/31/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/14/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068059
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068059-001A	610-238-S	57	mg/L	R36980	2.5	10	3/24/2004	4/10/2004
068059-002A	610-238-0.3	17	mg/L	R36980	0.5	2	3/24/2004	4/10/2004
068059-003A	610-238-0.6	7.8	mg/L	R36980	0.25	1	3/24/2004	4/10/2004
068059-004A	610-238-1.5	12	mg/L	R36980	0.5	2	3/24/2004	4/10/2004
068059-009A	610-236-0.3	27	mg/L	R36980	1.2	5	3/24/2004	4/10/2004
068059-010A	610-236-0.6	14	mg/L	R36980	0.5	2	3/24/2004	4/10/2004
068059-011A	610-236-1.5	34	mg/L	R36980	1.2	5	3/24/2004	4/10/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068059
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068059-001A	610-238-S	6.2	mg/L	17764	0.25	1	3/24/2004	4/14/2004
068059-005A	610-237-S	13	mg/L	17764	0.5	2	3/24/2004	4/14/2004
068059-008A	610-236-S	41	mg/L	17764	1.2	5	3/24/2004	4/14/2004
068059-011A	610-236-1.5	1.9	mg/L	17764	0.25	1	3/24/2004	4/14/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068059
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068059-001A	610-238-S	1.6	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068059-002A	610-238-0.3	0.42	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068059-003A	610-238-0.6	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068059-004A	610-238-1.5	0.40	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068059-009A	610-236-0.3	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068059-010A	610-236-0.6	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004
068059-011A	610-236-1.5	0.29	mg/L	R37288	0.25	1	3/24/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17592A	MBLK	6010_SPB	mg/Kg	3/29/2004	ICP5_040331F
Client ID: ZZZZZ	Batch ID: 17592	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/31/2004	SeqNo: 544527

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17592B	MBLK	6010_SPB	mg/Kg	3/29/2004	ICP5_040331F
Client ID: ZZZZZ	Batch ID: 17592	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/31/2004	SeqNo: 544541

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17592	LCS	6010_SPB	mg/Kg	3/29/2004	ICP5_040331F
Client ID: ZZZZZ	Batch ID: 17592	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/31/2004	SeqNo: 544528

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	284.8	5.0	250	0	114	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068059-008AMS	MS	6010_SPB	mg/Kg	3/29/2004	ICP5_040331F
Client ID: 610-236-S	Batch ID: 17592	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/31/2004	SeqNo: 544540

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2172	5.0	250	1413	304	47	125	0	0		S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068059-011AMS	MS	6010_SPB	mg/Kg	3/29/2004	ICP5_040331F
Client ID: 610-236-1.5	Batch ID: 17592	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/31/2004	SeqNo: 544547

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	521.6	5.0	250	379.5	56.8	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068059-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **610-236-S** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2103	5.0	0	0	0	0	0	1413	39.3	20	R

Sample ID **068059-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **610-236-1.5** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275	5.0	0	0	0	0	0	379.5	31.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *14-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17752** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549899**

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

Sample ID **MB-17752A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549900**

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

Sample ID **MB-17752B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549914**

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

Sample ID **LCS-17752** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **068059-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **610-236-0.3** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.42	2.5	5	26.74	73.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068086-018AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.663	0.25	5	3.313	87	70	130	0	0		

Sample ID **068059-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **610-236-0.3** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.6	1.2	0	0	0	0	0	26.74	21.3	20	R

Sample ID **068086-018ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.971	0.25	0	0	0	0	0	3.313	57.2	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17764A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552943**

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

Sample ID **MB-17764B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552961**

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

Sample ID **MB-17748B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552962**

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

Sample ID **LCS-17764** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552946**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.106	0.25	1	0	111	80	120	0	0		

Sample ID **068086-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.414	0.25	2.5	3.61	72.2	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068086-034AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552974**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.73	0.50	2.5	14.89	-46.7	70	130	0	0		S

Sample ID **068086-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.95	0.25	0	0	0	0	0	3.61	8.99	20	

Sample ID **068086-034ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17764** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.57	0.50	0	0	0	0	0	14.89	33.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17877** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555079**

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

Sample ID **MB-17877A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555080**

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

Sample ID **MB-17877B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555094**

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

Sample ID **LCS-17877** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.206	0.25	5	0	104	80	120	0	0		

Sample ID **068059-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **610-236-0.6** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.583	0.25	5	0.1728	108	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068059
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068086-067AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.536	0.25	5	0	111	70	130	0	0		

Sample ID **068059-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **610-236-0.6** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1728	0	20	

Sample ID **068086-067ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4231	0.25	0	0	0	0	0	0	200	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: _____ OF _____

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
~~See Page 1~~ Attach to Group 8 from 3/23/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0406054-01	610-238-S		3/24/04	1530	soil	1	
-02	610-238-0.3			1535			
-03	610-238-0.6			1539			
-04	610-238-1.5			1548			
-05	610-237-S			1532			
-06	610-237-0.3			1533			
-07	610-237-0.6			1535			
-08	610-236-S			1552			
-09	610-236-0.3			1558			
-10	610-236-0.6			1600			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-24-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-24-04	Time: 6:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: ____ OF ____

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 Group 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-01	~~710-EB-~~ C10-2364-1.5		3/24/04	1605	water	1	X
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00p
[signature]	[signature]	3-24-04	6:30

March 31, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068028

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-40

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-001A	610-239-S	1500	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-002A	610-239-0.3	180	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-003A	610-239-0.6	14	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-004A	610-239-1.5	160	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-005A	610-240-S	3800	mg/Kg	17548	10	2	3/23/2004	3/29/2004
068028-006A	610-240-0.3	120	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-007A	610-240-0.6	36	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-008A	610-240-1.5	420	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-009A	610-241-S	410	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-010A	610-241-0.3	260	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-011A	610-241-0.6	390	mg/Kg	17548	5	1	3/23/2004	3/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-012A	610-241-1.5	54	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-013A	610-242-S	110	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-014A	610-242-0.3	130	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-015A	610-242-0.6	260	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-016A	610-243-S	1100	mg/Kg	17548	5	1	3/23/2004	3/29/2004
068028-017A	610-243-0.3	87	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068028-018A	610-243-0.6	140	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068028-019A	610-244-S	61	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068028-020A	610-244-0.3	ND	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068028-021A	610-244-0.6	ND	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068028-022A	610-244-1.5	ND	mg/Kg	17549	5	1	3/23/2004	3/29/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/31/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-006A	610-240-0.3	8.72	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068028-012A	610-241-1.5	8.75	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068028-018A	610-243-0.6	8.03	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068028-022A	610-244-1.5	7.99	pH Units	R36450	0.1	1	3/23/2004	3/25/2004

Qualifiers:

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B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-002A	610-239-0.3	56	mg/L	R36974	2.5	10	3/23/2004	4/9/2004
068028-004A	610-239-1.5	6.2	mg/L	R36974	0.25	1	3/23/2004	4/9/2004
068028-006A	610-240-0.3	12	mg/L	R36974	0.5	2	3/23/2004	4/9/2004
068028-008A	610-240-1.5	39	mg/L	R36974	2.5	10	3/23/2004	4/9/2004
068028-009A	610-241-S	42	mg/L	R36974	2.5	10	3/23/2004	4/9/2004
068028-010A	610-241-0.3	15	mg/L	R36974	0.5	2	3/23/2004	4/9/2004
068028-011A	610-241-0.6	30	mg/L	R36974	1.2	5	3/23/2004	4/9/2004
068028-012A	610-241-1.5	2.0	mg/L	R36974	0.25	1	3/23/2004	4/9/2004
068028-013A	610-242-S	5.7	mg/L	R36974	0.25	1	3/23/2004	4/9/2004
068028-014A	610-242-0.3	4.3	mg/L	R36974	0.25	1	3/23/2004	4/9/2004
068028-015A	610-242-0.6	23	mg/L	R36974	1.2	5	3/23/2004	4/9/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

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Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-017A	610-243-0.3	3.6	mg/L	R36974	0.25	1	3/23/2004	4/9/2004
068028-018A	610-243-0.6	19	mg/L	R36974	0.5	2	3/23/2004	4/9/2004
068028-019A	610-244-S	3.6	mg/L	R36974	0.25	1	3/23/2004	4/9/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-001A	610-239-S	4.6	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068028-005A	610-240-S	21	mg/L	17715	1.2	5	3/23/2004	4/5/2004
068028-008A	610-240-1.5	2.6	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068028-009A	610-241-S	8.7	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068028-011A	610-241-0.6	3.7	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068028-016A	610-243-S	2.9	mg/L	17709	0.25	1	3/23/2004	4/5/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-001A	610-239-S	4.6	mg/L	17715	0.25	1	3/23/2004	4/5/2004
068028-005A	610-240-S	21	mg/L	17715	1.2	5	3/23/2004	4/5/2004
068028-008A	610-240-1.5	2.6	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068028-009A	610-241-S	8.7	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068028-011A	610-241-0.6	3.7	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068028-016A	610-243-S	2.9	mg/L	17709	0.25	1	3/23/2004	4/5/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-240-S
Lab Order:	068028		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068028-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	19	1.0		mg/Kg	1	4/12/2004
Arsenic	12	1.0		mg/Kg	1	4/12/2004
Barium	170	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	1.3	1.0		mg/Kg	1	4/12/2004
Chromium	27	1.0		mg/Kg	1	4/12/2004
Cobalt	7.8	1.0		mg/Kg	1	4/12/2004
Copper	69	1.0		mg/Kg	1	4/12/2004
Lead	4400	20		mg/Kg	20	4/13/2004
Molybdenum	2.4	1.0		mg/Kg	1	4/12/2004
Nickel	19	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	27	1.0		mg/Kg	1	4/12/2004
Zinc	320	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.14	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068028
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068028-002A	610-239-0.3	2.6	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-004A	610-239-1.5	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-006A	610-240-0.3	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-008A	610-240-1.5	0.44	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-009A	610-241-S	1.2	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-010A	610-241-0.3	0.39	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-011A	610-241-0.6	1.0	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-013A	610-242-S	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-015A	610-242-0.6	0.93	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068028-018A	610-243-0.6	0.30	mg/L	R37281	0.25	1	3/23/2004	4/19/2004

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *31-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17548A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542880**

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

Sample ID **MB-17548B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542894**

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

Sample ID **MB-17549A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542908**

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

Sample ID **MB-17549B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542922**

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

Sample ID **LCS-17548** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **ZZZZZ** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	256.3	5.0	250	0	103	80	120	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17549** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251.7	5.0	250	0	101	80	120	0	0		

Sample ID **068028-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **610-240-0.3** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	623.4	5.0	250	119.8	201	47	125	0	0		S

Sample ID **068028-016AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **610-243-S** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	628.9	5.0	250	1085	-182	47	125	0	0		S

Sample ID **068029-004AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542921**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	597.3	5.0	250	236.9	144	47	125	0	0		S

Sample ID **068029-014AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542934**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	191	5.0	250	4.894	74.4	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068028-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **610-240-0.3** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	148.7	5.0	0	0	0	0	0	119.8	21.5	20	R

Sample ID **068028-016ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329B**
Client ID: **610-243-S** Batch ID: **17548** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1006	5.0	0	0	0	0	0	1085	7.55	20	

Sample ID **068029-004ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	349.3	5.0	0	0	0	0	0	236.9	38.4	20	R

Sample ID **068029-014ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542933**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.855	5.0	0	0	0	0	0	4.894	17.9	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068029-020ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325F**
Client ID: **ZZZZZ** Batch ID: **R36450** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.28	0.10	0	0	0	0	0	7.28	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17729** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **ZZZZZ** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549730**

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

Sample ID **MB-17729A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **ZZZZZ** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549731**

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

Sample ID **MB-17729B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **ZZZZZ** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549745**

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

Sample ID **LCS-17729** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **ZZZZZ** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.111	0.25	5	0	102	80	120	0	0		

Sample ID **068028-014AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **610-242-0.3** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.657	0.25	5	4.338	86.4	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068028-019AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **610-244-S** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.136	0.25	5	3.555	91.6	70	130	0	0		

Sample ID **068028-014ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **610-242-0.3** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.342	0.25	0	0	0	0	0	4.338	63.2	20	R

Sample ID **068028-019ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409B**
Client ID: **610-244-S** Batch ID: **R36974** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.014	0.25	0	0	0	0	0	3.555	16.5	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17709A	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405A
Client ID:	ZZZZZ	Batch ID: 17709	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547297

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

Sample ID	MB-17694A TCLP	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405A
Client ID:	ZZZZZ	Batch ID: 17709	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547298

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

Sample ID	MB-17715A	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405D
Client ID:	ZZZZZ	Batch ID: 17715	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547365

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

Sample ID	MB-17715B	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405D
Client ID:	ZZZZZ	Batch ID: 17715	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547366

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

Sample ID	MB-17693A TCLP	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405D
Client ID:	ZZZZZ	Batch ID: 17715	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547367

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

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17693B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547368**

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

Sample ID **MB-17761A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552871**

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

Sample ID **MB-17745A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552872**

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

Sample ID **MB-17761B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552886**

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

Sample ID **MB-17745B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552887**

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

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17709	LCS	7420_TC	mg/L	4/5/2004	AA2_040405A
Client ID: ZZZZZ	Batch ID: 17709	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547299

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.08	0.25	1	0	108	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17715	LCS	7420_TC	mg/L	4/5/2004	AA2_040405D
Client ID: ZZZZZ	Batch ID: 17715	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547369

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.032	0.25	1	0	103	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17761	lcs	7420_TC	mg/L	4/7/2004	AA2_040414G
Client ID: ZZZZZ	Batch ID: 17761	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/14/2004	SeqNo: 552873

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.076	0.25	1	0	108	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068028-016AMS	MS	7420_TC	mg/L	4/5/2004	AA2_040405A
Client ID: 610-243-S	Batch ID: 17709	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547303

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.131	0.25	2.5	2.892	130	70	130	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068021-025AMS	MS	7420_TC	mg/L	4/5/2004	AA2_040405D
Client ID: ZZZZZ	Batch ID: 17715	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547381

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.571	0.25	2.5	9.383	-112	70	130	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068028-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **610-240-S** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.67	1.2	2.5	21.21	218	70	130	0	0		S

Sample ID **068029-019AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.135	0.25	2.5	1.354	111	70	130	0	0		

Sample ID **068029-050AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.492	0.25	2.5	0.6312	114	70	130	0	0		

Sample ID **068028-016ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405A**
Client ID: **610-243-S** Batch ID: **17709** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.179	0.25	0	0	0	0	0	2.892	9.45	20	

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **ZZZZZ** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.674	0.25	0	0	0	0	0	9.383	3.05	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068028-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405D**
Client ID: **610-240-S** Batch ID: **17715** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.09	1.2	0	0	0	0	0	21.21	20.7	20	R

Sample ID **068029-019ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.299	0.25	0	0	0	0	0	1.354	4.10	20	

Sample ID **068029-050ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.643	0.25	0	0	0	0	0	0.6312	1.85	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550713**

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

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.62	2.0	50	0	89.2	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.59	1.0	50	0	89.2	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	45.66	1.0	50	0	91.3	80	120	0	0		
Cadmium	44.74	1.0	50	0	89.5	80	120	0	0		
Chromium	47.65	1.0	50	0	95.3	80	120	0	0		
Cobalt	45.91	1.0	50	0	91.8	80	120	0	0		
Copper	47.05	2.0	50	0	94.1	80	120	0	0		
Lead	46.9	1.0	50	0	93.8	80	120	0	0		
Molybdenum	45.93	1.0	50	0	91.9	80	120	0	0		
Nickel	45.09	1.0	50	0	90.2	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	54.6	1.0	50	0	109	80	120	0	0		
Thallium	49.32	1.0	50	0	98.6	80	120	0	0		
Vanadium	44.44	1.0	50	0	88.9	80	120	0	0		
Zinc	44.88	1.0	50	0	89.8	80	120	0	0		

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.24	1.0	50	0	94.5	80	120	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77	2.0	125	0	61.6	23	118	0	0		
Arsenic	110	1.0	125	5.84	83.3	64	111	0	0		
Barium	273.5	1.0	125	158.5	92	36	146	0	0		
Beryllium	101.5	1.0	125	0	81.2	50	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	2.035	75.6	62	107	0	0		
Chromium	145.5	1.0	125	40.94	83.6	63	119	0	0		
Cobalt	112	1.0	125	8.03	83.2	63	111	0	0		
Copper	175.5	2.0	125	53.55	97.6	58	136	0	0		
Lead	965	1.0	125	806	127	47	125	0	0		S
Molybdenum	111	1.0	125	3.235	86.2	63	116	0	0		
Nickel	127.5	1.0	125	25.73	81.4	57	116	0	0		
Selenium	89.5	1.0	125	0	71.6	47	118	0	0		
Silver	136	1.0	125	0	109	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	138.5	1.0	125	35.66	82.3	65	122	0	0		
Zinc	330	1.0	125	236.1	75.1	36	140	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	799.3	1.0	125	627.5	137	47	125	0	0		S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.5	2.0	125	0	62	23	118	77	0.647	20	
Arsenic	109.5	1.0	125	5.84	82.9	64	111	110	0.456	20	
Barium	265	1.0	125	158.5	85.2	36	146	273.5	3.16	20	
Beryllium	100	1.0	125	0	80	50	120	101.5	1.49	20	
Cadmium	94.5	1.0	125	2.035	74	62	107	96.5	2.09	20	
Chromium	152.5	1.0	125	40.94	89.2	63	119	145.5	4.70	20	
Cobalt	110	1.0	125	8.03	81.6	63	111	112	1.80	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	166.5	2.0	125	53.55	90.4	58	136	175.5	5.26	20	
Lead	909.5	1.0	125	806	82.8	47	125	965	5.92	20	
Molybdenum	108.5	1.0	125	3.235	84.2	63	116	111	2.28	20	
Nickel	125	1.0	125	25.73	79.4	57	116	127.5	1.98	20	
Selenium	89	1.0	125	0	71.2	47	118	89.5	0.560	20	
Silver	129	1.0	125	0	103	48	125	136	5.28	20	
Thallium	108.5	1.0	125	0	86.8	49	116	111	2.28	20	
Vanadium	138.5	1.0	125	35.66	82.3	65	122	138.5	0	20	
Zinc	302.5	1.0	125	236.1	53.1	36	140	330	8.70	20	

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	743.7	1.0	125	627.5	92.9	47	125	799.3	7.21	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	5.34	1.0	0	0	0	0	0	5.84	8.94	20	
Barium	141	1.0	0	0	0	0	0	158.5	11.7	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	1.19	1.0	0	0	0	0	0	2.035	52.4	20	R
Chromium	28.28	1.0	0	0	0	0	0	40.94	36.6	20	R
Cobalt	9.255	1.0	0	0	0	0	0	8.03	14.2	20	
Copper	62.3	2.0	0	0	0	0	0	53.55	15.1	20	
Lead	650.5	1.0	0	0	0	0	0	806	21.4	20	R
Molybdenum	2.6	1.0	0	0	0	0	0	3.235	21.8	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	26.62	1.0	0	0	0	0	0	25.73	3.42	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.2	1.0	0	0	0	0	0	35.66	1.28	20	
Zinc	209.7	1.0	0	0	0	0	0	236.1	11.8	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	541.2	1.0	0	0	0	0	0	627.5	14.8	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17771** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549051**

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

Sample ID **LCS-17771** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID **067988-040AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17837** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554901**

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

Sample ID **MB-17837A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554902**

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

Sample ID **MB-17837B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554916**

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

Sample ID **LCS-17837** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.02	0.25	5	0	100	80	120	0	0		

Sample ID **068028-002AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **610-239-0.3** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.87	0.25	5	2.621	105	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068028
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	068029-001AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419F
Client ID:	ZZZZZ	Batch ID:	R37281	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.302	0.25	5	0	106	70	130	0	0		

Sample ID	068028-002ADUP	SampType:	DUP	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419F
Client ID:	610-239-0.3	Batch ID:	R37281	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554914

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.187	0.25	0	0	0	0	0	2.621	18.1	20	

Sample ID	068029-001ADUP	SampType:	DUP	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419F
Client ID:	ZZZZZ	Batch ID:	R37281	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0480026 - 001	610-239-5		3/23/04	1539	soil	1	X
- 002	610-239-0.3			1542			
- 003	610-239-0.6			1547			
- 004	610-239-1.5			1552			
- 005	610-240-5			1546			
- 006	610-240-0.3			1547			
- 007	610-240-0.6			1548			
- 008	610-240-1.5			1550			
- 009	610-241-5			1518			
- 010	610-241-0.3			1519			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068028-01	610-241-0.6		3/23/04	1518	soil	1	X
-02	610-241-1.5			1519			
-03	610-242-5			1512			
-04	610-242-0.3			1513			
-05	610-242-0.6			1515			
-06	610-243-5			1517			
-07	610-243-0.3			1518			
-08	610-243-0.6			1520			
-09	610-244-5			1508			
-010	610-244-0.3			1509			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 3 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0680708-021	610- 244-0.6		3/23/04	1510	soil	1	X
↓ - 022	610- 244-1.5		↓	1512	↓	↓	X
	610-						
	610-						
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Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068089

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-001A	610-262-S	39	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-002A	610-262-0.3	200	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-003A	610-262-0.6	14	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-004A	610-262-1.5	180	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-005A	610-261-S	650	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-006A	610-261-0.3	21	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-007A	610-261-0.6	ND	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-008A	610-261-1.5	70	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-009A	610-260-S	1200	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-010A	610-260-0.3	15	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-011A	610-260-0.6	140	mg/Kg	17631	5	1	3/25/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-012A	610-259-S	83	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-013A	610-259-0.3	20	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-014A	610-259-0.6	13	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-015A	610-259-1.5	26	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068089-016A	610-258-S	190	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-017A	610-258-0.3	62	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-018A	610-258-0.6	ND	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-019A	610-258-1.5	66	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-020A	610-257-S	110	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-021A	610-257-0.3	110	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-022A	610-257-0.6	56	mg/Kg	17632	5	1	3/25/2004	4/3/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-023A	610-256-S	290	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-024A	610-256-0.3	230	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-025A	610-256-0.6	170	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-026A	610-256-1.5	65	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-027A	610-255-S	700	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-028A	610-255-0.3	82	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-029A	610-255-0.6	180	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-030A	610-254-S	5.5	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-031A	610-254-0.3	13	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-032A	610-254-0.6	ND	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-033A	610-253-S	330	mg/Kg	17632	5	1	3/25/2004	4/3/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-034A	610-253-0.3	95	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-035A	610-253-0.6	ND	mg/Kg	17632	5	1	3/25/2004	4/3/2004
068089-036A	610-253-1.5	13	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-037A	610-252-S	300	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-038A	610-252-0.3	34	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-039A	610-252-0.6	440	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-040A	610-252-1.5	16	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-041A	610-251-S	84	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-042A	610-251-0.3	13	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-043A	610-251-0.6	21	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-044A	610-250-S	83	mg/Kg	17633	5	1	3/25/2004	4/3/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-045A	610-250-0.3	ND	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-046A	610-250-0.6	5.9	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-047A	610-250-1.5	9.2	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-048A	610-249-S	84	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-049A	610-249-0.3	9.7	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-050A	610-249-0.6	5.5	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-051A	610-249-1.5	ND	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-052A	610-248-S	240	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-053A	610-248-0.3	21	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-054A	610-248-0.6	32	mg/Kg	17633	5	1	3/25/2004	4/3/2004
068089-055A	610-248-1.5	61	mg/Kg	17633	5	1	3/25/2004	4/3/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-056A	610-247-S	94	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-057A	610-247-0.3	15	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-058A	610-247-0.6	ND	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-059A	610-247-1.5	62	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-060A	610-246-S	540	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-061A	610-246-0.3	9.5	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-062A	610-246-0.6	15	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-063A	610-246-1.5	ND	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-064A	610-245-S	970	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-065A	610-245-0.3	93	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068089-066A	610-245-0.6	49	mg/Kg	17634	5	1	3/25/2004	4/3/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-067A	610-245-1.5	96	mg/Kg	17634	5	1	3/25/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-010A	610-260-0.3	9.14	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068089-020A	610-257-S	7.32	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068089-030A	610-254-S	8.36	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068089-040A	610-252-1.5	8.05	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068089-050A	610-249-0.6	7.43	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068089-060A	610-246-S	8.03	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068089-066A	610-245-0.6	8.43	pH Units	R36510	0.1	1	3/25/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-002A	610-262-0.3	5.9	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068089-004A	610-262-1.5	16	mg/L	R37087	0.5	2	3/25/2004	4/13/2004
068089-005A	610-261-S	62	mg/L	R37087	2.5	10	3/25/2004	4/13/2004
068089-008A	610-261-1.5	4.3	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068089-011A	610-260-0.6	22	mg/L	R37087	1	4	3/25/2004	4/13/2004
068089-012A	610-259-S	17	mg/L	R37090	0.5	2	3/25/2004	4/13/2004
068089-016A	610-258-S	40	mg/L	R37090	1.2	5	3/25/2004	4/13/2004
068089-017A	610-258-0.3	7.0	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-019A	610-258-1.5	3.2	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-020A	610-257-S	12	mg/L	R37090	0.5	2	3/25/2004	4/13/2004
068089-021A	610-257-0.3	14	mg/L	R37090	0.5	2	3/25/2004	4/13/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-022A	610-257-0.6	1.9	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-023A	610-256-S	31	mg/L	R37090	1	4	3/25/2004	4/13/2004
068089-024A	610-256-0.3	23	mg/L	R37090	1	4	3/25/2004	4/13/2004
068089-025A	610-256-0.6	3.3	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-026A	610-256-1.5	6.2	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-027A	610-255-S	49	mg/L	R37090	2.5	10	3/25/2004	4/13/2004
068089-028A	610-255-0.3	9.3	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-029A	610-255-0.6	21	mg/L	R37090	1	4	3/25/2004	4/13/2004
068089-033A	610-253-S	37	mg/L	R37090	1.2	5	3/25/2004	4/13/2004
068089-034A	610-253-0.3	8.0	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-037A	610-252-S	43	mg/L	R37090	2.5	10	3/25/2004	4/13/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-039A	610-252-0.6	23	mg/L	R37090	1	4	3/25/2004	4/13/2004
068089-041A	610-251-S	9.1	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-044A	610-250-S	6.7	mg/L	R37090	0.25	1	3/25/2004	4/13/2004
068089-048A	610-249-S	4.8	mg/L	R37160	0.25	1	3/25/2004	4/14/2004
068089-052A	610-248-S	27	mg/L	R37160	1.2	5	3/25/2004	4/14/2004
068089-055A	610-248-1.5	4.3	mg/L	R37160	0.25	1	3/25/2004	4/14/2004
068089-056A	610-247-S	22	mg/L	R37160	1	4	3/25/2004	4/14/2004
068089-059A	610-247-1.5	2.7	mg/L	R37160	0.25	1	3/25/2004	4/14/2004
068089-060A	610-246-S	46	mg/L	R37160	2.5	10	3/25/2004	4/14/2004
068089-064A	610-245-S	85	mg/L	R37160	2.5	10	3/25/2004	4/14/2004
068089-065A	610-245-0.3	15	mg/L	R37160	0.5	2	3/25/2004	4/14/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-067A	610-245-1.5	4.5	mg/L	R37160	0.25	1	3/25/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-002A	610-262-0.3	1.2	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-004A	610-262-1.5	2.0	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-005A	610-261-S	6.9	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-009A	610-260-S	4.9	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-011A	610-260-0.6	2.2	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-016A	610-258-S	1.6	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-023A	610-256-S	3.0	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-024A	610-256-0.3	2.9	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-025A	610-256-0.6	ND	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-027A	610-255-S	0.77	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-029A	610-255-0.6	0.49	mg/L	17808	0.25	1	3/25/2004	4/16/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-033A	610-253-S	2.9	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-037A	610-252-S	1.1	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-039A	610-252-0.6	1.4	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-052A	610-248-S	ND	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-060A	610-246-S	3.3	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068089-064A	610-245-S	4.0	mg/L	17808	0.25	1	3/25/2004	4/16/2004

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Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-260-S
Lab Order:	068089		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068089-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040413F	QC Batch: 17805			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/13/2004
Arsenic	ND	1.0		mg/Kg	1	4/13/2004
Barium	97	1.0		mg/Kg	1	4/13/2004
Beryllium	ND	1.0		mg/Kg	1	4/13/2004
Cadmium	ND	1.0		mg/Kg	1	4/13/2004
Chromium	19	1.0		mg/Kg	1	4/13/2004
Cobalt	6.4	1.0		mg/Kg	1	4/13/2004
Copper	76	1.0		mg/Kg	1	4/13/2004
Lead	1600	1.0		mg/Kg	1	4/13/2004
Molybdenum	1.8	1.0		mg/Kg	1	4/13/2004
Nickel	14	1.0		mg/Kg	1	4/13/2004
Selenium	ND	1.0		mg/Kg	1	4/13/2004
Silver	ND	1.0		mg/Kg	1	4/13/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	25	1.0		mg/Kg	1	4/13/2004
Zinc	250	1.0		mg/Kg	1	4/13/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408E	QC Batch: 17772			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/9/2004

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Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-245-S
Lab Order:	068089		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068089-064A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040413F	QC Batch: 17805			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/13/2004
Arsenic	ND	1.0		mg/Kg	1	4/13/2004
Barium	120	1.0		mg/Kg	1	4/13/2004
Beryllium	ND	1.0		mg/Kg	1	4/13/2004
Cadmium	1.1	1.0		mg/Kg	1	4/13/2004
Chromium	26	1.0		mg/Kg	1	4/13/2004
Cobalt	7.8	1.0		mg/Kg	1	4/13/2004
Copper	65	1.0		mg/Kg	1	4/13/2004
Lead	1000	1.0		mg/Kg	1	4/13/2004
Molybdenum	2.3	1.0		mg/Kg	1	4/13/2004
Nickel	17	1.0		mg/Kg	1	4/13/2004
Selenium	ND	1.0		mg/Kg	1	4/13/2004
Silver	ND	1.0		mg/Kg	1	4/13/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	30	1.0		mg/Kg	1	4/13/2004
Zinc	470	1.0		mg/Kg	1	4/13/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408E	QC Batch: 17772			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.11	0.10		mg/Kg	1	4/9/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-002A	610-262-0.3	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068089-004A	610-262-1.5	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068089-005A	610-261-S	1.8	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068089-011A	610-260-0.6	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068089-012A	610-259-S	0.54	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068089-016A	610-258-S	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068089-017A	610-258-0.3	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-020A	610-257-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-021A	610-257-0.3	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-023A	610-256-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-024A	610-256-0.3	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-026A	610-256-1.5	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-027A	610-255-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-028A	610-255-0.3	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-029A	610-255-0.6	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-033A	610-253-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-034A	610-253-0.3	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-037A	610-252-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-039A	610-252-0.6	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-041A	610-251-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-044A	610-250-S	ND	mg/L	R37293	0.25	1	3/25/2004	4/19/2004
068089-052A	610-248-S	ND	mg/L	R37294	0.25	1	3/25/2004	4/19/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068089
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068089-056A	610-247-S	0.26	mg/L	R37294	0.25	1	3/25/2004	4/19/2004
068089-060A	610-246-S	0.44	mg/L	R37294	0.25	1	3/25/2004	4/19/2004
068089-064A	610-245-S	0.80	mg/L	R37294	0.25	1	3/25/2004	4/19/2004
068089-065A	610-245-0.3	0.26	mg/L	R37294	0.25	1	3/25/2004	4/19/2004

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17631A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	ZZZZZ	Batch ID:	17631	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545998

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

Sample ID	MB-17631B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	ZZZZZ	Batch ID:	17631	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546012

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

Sample ID	MB-17632A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403E
Client ID:	ZZZZZ	Batch ID:	17632	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546026

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

Sample ID	MB-17632B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403E
Client ID:	ZZZZZ	Batch ID:	17632	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546040

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

Sample ID	MB-17633A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403F
Client ID:	ZZZZZ	Batch ID:	17633	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546354

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

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17633B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403F**
Client ID: **ZZZZZ** Batch ID: **17633** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546368**

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

Sample ID **MB-17634A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546382**

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

Sample ID **MB-17634B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546396**

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

Sample ID **LCS-17631** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403D**
Client ID: **ZZZZZ** Batch ID: **17631** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.2	5.0	250	0	101	80	120	0	0		

Sample ID **LCS-17632** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403E**
Client ID: **ZZZZZ** Batch ID: **17632** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230.9	5.0	250	0	92.4	80	120	0	0		

Qualifiers:
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Calculations are based on raw values
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CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	LCS-17633	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403F
Client ID:	ZZZZZ	Batch ID:	17633	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546355

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	265.8	5.0	250	0	106	80	120	0	0		

Sample ID	LCS-17634	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403G
Client ID:	ZZZZZ	Batch ID:	17634	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546383

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	265	5.0	250	0	106	80	120	0	0		

Sample ID	068089-005AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	610-261-S	Batch ID:	17631	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546011

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	595.7	5.0	250	650.3	-21.8	47	125	0	0		S

Sample ID	068089-015AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	610-259-1.5	Batch ID:	17631	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546024

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	178.1	5.0	250	26.37	60.7	47	125	0	0		

Sample ID	068089-025AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403E
Client ID:	610-256-0.6	Batch ID:	17632	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546039

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.6	5.0	250	174	30.3	47	125	0	0		S

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068089-045AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403F
Client ID:	610-250-0.3	Batch ID:	17633	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546367

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200.4	5.0	250	3.609	78.7	47	125	0	0		

Sample ID	068089-055AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403F
Client ID:	610-248-1.5	Batch ID:	17633	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546380

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.1	5.0	250	61.45	77.5	47	125	0	0		

Sample ID	068089-065AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403G
Client ID:	610-245-0.3	Batch ID:	17634	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	369.4	5.0	250	92.77	111	47	125	0	0		

Sample ID	068090-008AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403G
Client ID:	ZZZZZ	Batch ID:	17634	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546408

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.5	5.0	250	12.47	79.2	47	125	0	0		

Sample ID	068089-035AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403E
Client ID:	610-253-0.6	Batch ID:	17632	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546489

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203	5.0	250	2.621	80.1	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068089-005ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403D**
Client ID: **610-261-S** Batch ID: **17631** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	708.4	5.0	0	0	0	0	0	650.3	8.55	20	

Sample ID **068089-015ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403D**
Client ID: **610-259-1.5** Batch ID: **17631** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	28.49	5.0	0	0	0	0	0	26.37	7.75	20	

Sample ID **068089-025ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403E**
Client ID: **610-256-0.6** Batch ID: **17632** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	57.4	5.0	0	0	0	0	0	174	101	20	R

Sample ID **068089-045ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403F**
Client ID: **610-250-0.3** Batch ID: **17633** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.66	5.0	0	0	0	0	0	3.609	59.4	20	R

Sample ID **068089-055ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403F**
Client ID: **610-248-1.5** Batch ID: **17633** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	61.14	5.0	0	0	0	0	0	61.45	0.518	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068089-065ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403G
Client ID:	610-245-0.3	Batch ID:	17634	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546394

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	133.6	5.0	0	0	0	0	0	92.77	36.1	20	R

Sample ID	068090-008ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403G
Client ID:	ZZZZZ	Batch ID:	17634	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546407

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.995	5.0	0	0	0	0	0	12.47	32.4	20	R

Sample ID	068089-035ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403E
Client ID:	610-253-0.6	Batch ID:	17632	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	546488

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.621	0	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068090-011ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326G**
Client ID: **ZZZZZ** Batch ID: **R36510** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.84	0.10	0	0	0	0	0	8.91	0.789	20	

Qualifiers:
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Date: *21-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17778	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413B
Client ID:	ZZZZZ	Batch ID:	R37087	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551826

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

Sample ID	MB-17778A	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413B
Client ID:	ZZZZZ	Batch ID:	R37087	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551827

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

Sample ID	MB-17778B	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413B
Client ID:	ZZZZZ	Batch ID:	R37087	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551841

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

Sample ID	MB-17779	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413D
Client ID:	ZZZZZ	Batch ID:	R37090	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551855

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

Sample ID	MB-17779A	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413D
Client ID:	ZZZZZ	Batch ID:	R37090	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551856

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

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17779B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413D**
Client ID: **ZZZZZ** Batch ID: **R37090** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551871**

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

Sample ID **MB-17780** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553049**

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

Sample ID **MB-17780A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553050**

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

Sample ID **MB-17780B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553064**

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

Sample ID **LCS-17778** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.073	0.25	5	0	101	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **LCS-17779** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413D**
Client ID: **ZZZZZ** Batch ID: **R37090** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.193	0.25	5	0	104	80	120	0	0		

Sample ID **LCS-17780** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.115	0.25	5	0	102	80	120	0	0		

Sample ID **068088-034AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.86	0.50	5	12.94	98.4	70	130	0	0		

Sample ID **068089-011AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **610-260-0.6** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.36	1.0	5	21.97	108	70	130	0	0		

Sample ID **068089-025AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413D**
Client ID: **610-256-0.6** Batch ID: **R37090** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.948	0.25	5	3.257	93.8	70	130	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068089-044AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413D**
Client ID: **610-250-S** Batch ID: **R37090** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.84	0.50	5	6.748	102	70	130	0	0		

Sample ID **068090-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	41.64	1.2	5	34.91	134	70	130	0	0		S

Sample ID **068090-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.21	1.0	5	8.431	95.6	70	130	0	0		

Sample ID **068088-034ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.38	0.50	0	0	0	0	0	12.94	4.46	20	

Sample ID **068089-011ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **610-260-0.6** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.12	1.0	0	0	0	0	0	21.97	0.647	20	

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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068089-025ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413D**
Client ID: **610-256-0.6** Batch ID: **R37090** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.2	0.50	0	0	0	0	0	3.257	125	20	R

Sample ID **068089-044ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413D**
Client ID: **610-250-S** Batch ID: **R37090** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.332	0.25	0	0	0	0	0	6.748	23.4	20	R

Sample ID **068090-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	33.3	1.2	0	0	0	0	0	34.91	4.74	20	

Sample ID **068090-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.538	0.25	0	0	0	0	0	8.431	1.25	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17808A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553630

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

Sample ID	MB-17774A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553631

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

Sample ID	MB-17808B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553658

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

Sample ID	MB-17774B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553660

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

Sample ID	LCS-17808	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553633

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.126	0.25	1	0	113	80	120	0	0		

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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068089-025AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **610-256-0.6** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553656**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.731	0.25	2.5	0.1657	103	70	130	0	0		

Sample ID **068090-003AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2394	104	70	130	0	0		

Sample ID **068089-025ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **610-256-0.6** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553654**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1657	0	20	

Sample ID **068090-003ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2394	0	20	

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DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17805** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551348**

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

Sample ID **LCS-17805** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.01	2.0	50	0	88	80	120	0	0		
Arsenic	45.1	1.0	50	0	90.2	80	120	0	0		
Barium	43.61	1.0	50	0	87.2	80	120	0	0		
Beryllium	45.49	1.0	50	0	91	80	120	0	0		
Cadmium	43.76	1.0	50	0	87.5	80	120	0	0		
Chromium	45.29	1.0	50	0	90.6	80	120	0	0		
Cobalt	42.78	1.0	50	0	85.6	80	120	0	0		
Copper	43.65	2.0	50	0	87.3	80	120	0	0		

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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17805** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.04	1.0	50	0	86.1	80	120	0	0		
Molybdenum	45.27	1.0	50	0	90.5	80	120	0	0		
Nickel	43	1.0	50	0	86	80	120	0	0		
Selenium	45.41	1.0	50	0	90.8	80	120	0	0		
Silver	42.8	1.0	50	0	85.6	80	120	0	0		
Thallium	43.13	1.0	50	0	86.3	80	120	0	0		
Vanadium	44.89	1.0	50	0	89.8	80	120	0	0		
Zinc	43.82	1.0	50	0	87.6	80	120	0	0		

Sample ID **068089-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **610-260-S** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	91.23	1.0	125	0	73	23	118	0	0		
Arsenic	8.41	1.0	125	0	6.73	64	111	0	0		S
Barium	194.2	1.0	125	97.46	77.4	36	146	0	0		
Beryllium	106.3	1.0	125	0	85	50	120	0	0		
Cadmium	101.8	1.0	125	0.7348	80.9	62	107	0	0		
Chromium	126	1.0	125	18.7	85.8	63	119	0	0		
Cobalt	105.2	1.0	125	6.417	79.1	63	111	0	0		
Copper	150.4	1.0	125	76.44	59.2	58	136	0	0		
Lead	1934	1.0	125	1625	248	47	125	0	0		S
Molybdenum	109.6	1.0	125	1.774	86.3	63	116	0	0		
Nickel	112.9	1.0	125	13.57	79.4	57	116	0	0		
Selenium	107.1	1.0	125	0	85.7	47	118	0	0		
Silver	100.3	1.0	125	0	80.3	48	125	0	0		
Thallium	91.15	1.0	125	0	72.9	49	116	0	0		
Vanadium	134.2	1.0	125	25.14	87.3	65	122	0	0		
Zinc	347.6	1.0	125	247.7	79.9	36	140	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068089-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **610-260-S** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	86.25	1.0	125	0	69	23	118	91.23	5.61	20	
Arsenic	ND	1.0	125	0	0	64	111	8.41	0	20	S
Barium	182.9	1.0	125	97.46	68.3	36	146	194.2	5.98	20	
Beryllium	104.6	1.0	125	0	83.7	50	120	106.3	1.58	20	
Cadmium	100	1.0	125	0.7348	79.4	62	107	101.8	1.75	20	
Chromium	124.2	1.0	125	18.7	84.4	63	119	126	1.41	20	
Cobalt	104.3	1.0	125	6.417	78.3	63	111	105.2	0.889	20	
Copper	145.8	1.0	125	76.44	55.5	58	136	150.4	3.09	20	S
Lead	1374	1.0	125	1625	-201	47	125	1934	33.9	20	SR
Molybdenum	106.7	1.0	125	1.774	83.9	63	116	109.6	2.71	20	
Nickel	114.4	1.0	125	13.57	80.6	57	116	112.9	1.30	20	
Selenium	103.8	1.0	125	0	83.1	47	118	107.1	3.14	20	
Silver	100.8	1.0	125	0	80.6	48	125	100.3	0.460	20	
Thallium	88.46	1.0	125	0	70.8	49	116	91.15	2.99	20	
Vanadium	133	1.0	125	25.14	86.3	65	122	134.2	0.901	20	
Zinc	313.6	1.0	125	247.7	52.7	36	140	347.6	10.3	20	

Sample ID **068089-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **610-260-S** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	80.44	1.0	0	0	0	0	0	97.46	19.1	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.7348	0	20	
Chromium	18.55	1.0	0	0	0	0	0	18.7	0.771	20	
Cobalt	5.906	1.0	0	0	0	0	0	6.417	8.30	20	
Copper	38.34	1.0	0	0	0	0	0	76.44	66.4	20	R
Lead	1073	1.0	0	0	0	0	0	1625	40.9	20	R

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068089-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **610-260-S** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	2.768	1.0	0	0	0	0	0	1.774	43.8	20	R
Nickel	17.38	1.0	0	0	0	0	0	13.57	24.6	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	23.34	1.0	0	0	0	0	0	25.14	7.41	20	
Zinc	188.4	1.0	0	0	0	0	0	247.7	27.2	20	R

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17772	MBLK	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549058

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17772	LCS	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549057

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.13	0.10	2.08	0	102	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007AMS	MS	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549054

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9235	0.10	0.83	0.0995	99.3	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007AMSD	MSD	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549055

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9325	0.10	0.83	0.0995	100	62	146	0.9235	0.970	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007ADUP	DUP	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549053

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1027	0.10	0	0	0	0	0	0.0995	3.18	30	

Qualifiers:
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Date: *21-Apr-04*

CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17878** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555162**

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

Sample ID **MB-17878A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555163**

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

Sample ID **MB-17878B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555177**

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

Sample ID **MB-17879** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **ZZZZZ** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555191**

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

Sample ID **MB-17879A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **ZZZZZ** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555192**

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

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17879B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **ZZZZZ** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555206**

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

Sample ID **MB-17908** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419O**
Client ID: **ZZZZZ** Batch ID: **R37294** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555215**

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

Sample ID **MB-17908A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419O**
Client ID: **ZZZZZ** Batch ID: **R37294** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555216**

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

Sample ID **LCS-17878** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.126	0.25	5	0	103	80	120	0	0		

Sample ID **LCS-17879** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **ZZZZZ** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.204	0.25	5	0	104	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **LCS-17908** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419O**
Client ID: **ZZZZZ** Batch ID: **R37294** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.161	0.25	5	0	103	80	120	0	0		

Sample ID **068088-031AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.564	0.25	5	0	111	70	130	0	0		

Sample ID **068089-016AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **610-258-S** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.675	0.25	5	0.1586	110	70	130	0	0		

Sample ID **068089-033AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **610-253-S** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.674	0.25	5	0.1211	111	70	130	0	0		

Sample ID **068089-044AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **610-250-S** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.413	0.25	5	0	108	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068090-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419O**
Client ID: **ZZZZZ** Batch ID: **R37294** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.403	0.25	5	0.08134	106	70	130	0	0		

Sample ID **068088-031ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555175**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068089-016ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **610-258-S** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1586	0	20	

Sample ID **068089-033ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **610-253-S** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555204**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1211	0	20	

Sample ID **068089-044ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419N**
Client ID: **610-250-S** Batch ID: **R37293** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555212**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068089
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068090-013ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419O**
Client ID: **ZZZZZ** Batch ID: **R37294** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.08134	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408049 - 001	610-262-S		3/25/04	1339	soil	1	X
- 002	610-262-0.3			1340			
- 003	610-262-0.6			1342			
- 004	610-262-1.5			1350			
- 005	610-261-S			1331			
- 006	610-261-0.3			1332			
- 007	610-261-0.6			1333			
- 008	610-261-1.5			1335			
- 009	610-260-S			1329			
- 010	610-260-0.3			1330			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068089-011	610-260-0.6		3/25/04	1339	soil		X
- 012	610-259-5			1353			
- 013	610-259-0.3			1354			
- 014	610-259-0.6			1355			
- 015	610-259-1.5			1400			
- 016	610-258-5			1354			
- 017	610-758-0.3			1355			
- 018	610-258-0.6			1356			
- 019	610-258-1.5			1357			
- 020	610-257-5			1356			

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Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 3 OF 7

CLIENT: Geocon Burbank
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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
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LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068089-021	610-257-0.3		3/25/04	1357	soil		X
- 022	610-257-0.6			1400			
- 023	610-256-S			1406			
- 024	610-256-0.3			1407			
- 025	610-256-0.6			1409			
- 026	610-256-1.5			1411			
- 027	610-255-S			1404			
- 028	610-255-0.3			1408			
- 029	610-255-0.6			1413			
- 030	610-254-S			1426			

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		3-25-04	5:00p
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Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 4 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0680849-031	610-254-0.3		3/25/04	1427	soil		X
-032	610-254-0.6			1428			
-033	610-253-5			1426			
-034	610-253-0.3			1427			
-035	610-253-0.6			1428			
-036	610-253-1.5			1430			
-037	610-252-5			1427			
-038	610-252-0.3			1428			
-039	610-252-0.6			1430			
-040	610-252-1.5			1432			

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		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 5 OF 7

CLIENT: Geocon Burbank
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
06 8089- 041	610- 251 - 5		3/25/04	1447	soil	2	X
- 042	610- 251 - 0.3			1448			
- 043	610- 251 - 0.6			1449			
- 044	610- 250 - 5			1445			
- 045	610- 250 - 0.3			1446			
- 046	610- 250 - 0.6			1447			
- 047	610- 250 - 1.5			1450			
- 048	610- 249 - 5			1449			
- 049	610- 249 - 0.3			1450			
- 050	610- 249 - 0.6			1452			

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[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

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CHAIN OF CUSTODY

DATE: 3/25
PAGE: 6 OF 7

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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068089-057	610-249-1.5		3/25/04	1456	soil		X
-058	610-248-5			1406			
-059	610-248-0.3			1407			
-060	610-248-0.6			1408			
-061	610-248-1.5			1410			
-062	610-247-5			1406			
-063	610-247-0.3			1407			
-064	610-247-0.6			1408			
-065	610-247-1.5			1410			
-066	610-246-5			1405			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 7 OF 7

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068089-061	610-246-0.3		3/25/04	1406	soil	1	X
- 062	610-246-0.6			1407			
- 063	610-246-1.5			1410			
- 064	610-245-5			1412			
- 065	610-245-0.3			1413			
- 066	610-245-0.6			1415			
- 067	610-245-1.5			1420			
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068088

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-001A	610-275-S	840	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-002A	610-275-0.3	140	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-003A	610-275-0.6	200	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-004A	610-274-S	310	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-005A	610-274-0.3	150	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-006A	610-274-0.6	57	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-007A	610-273-S	2100	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-008A	610-273-0.3	560	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-009A	610-273-0.6	110	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-010A	610-273-1.5	70	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-011A	610-272-S	1300	mg/Kg	17629	5	1	3/25/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-012A	610-272-0.3	15	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-013A	610-272-0.6	33	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-014A	610-272-1.5	5.8	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-015A	610-271-S	210	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-016A	610-271-0.3	98	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-017A	610-271-0.6	11	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-018A	610-270-S	2000	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-019A	610-270-0.3	660	mg/Kg	17629	5	1	3/25/2004	4/3/2004
068088-020A	610-269-S	1100	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-021A	610-269-0.3	330	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-022A	610-269-0.6	120	mg/Kg	17630	5	1	3/25/2004	4/3/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-023A	610-268-S	11	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-024A	610-268-0.3	ND	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-025A	610-268-0.6	10	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-026A	610-268-1.5	9.7	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-027A	610-267-S	1400	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-028A	610-267-0.3	100	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-029A	610-267-0.6	12	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-030A	610-267-1.5	87	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-031A	610-266-S	65	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-032A	610-266-0.3	70	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-033A	610-266-0.6	16	mg/Kg	17630	5	1	3/25/2004	4/3/2004

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S - Spike/Surrogate outside of limits due to matrix interfere
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Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-034A	610-265-S	200	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-035A	610-265-0.3	19	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-036A	610-265-0.6	120	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-037A	610-265-1.5	ND	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-038A	610-264-S	170	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-039A	610-264-0.3	61	mg/Kg	17630	5	1	3/25/2004	4/3/2004
068088-040A	610-264-0.6	49	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068088-041A	610-263-S	710	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068088-042A	610-263-0.3	76	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068088-043A	610-263-0.6	35	mg/Kg	17631	5	1	3/25/2004	4/3/2004
068088-044A	610-263-1.5	9.9	mg/Kg	17631	5	1	3/25/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-010A	610-273-1.5	9.14	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068088-020A	610-269-S	8.20	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068088-030A	610-267-1.5	8.24	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068088-040A	610-264-0.6	8.08	pH Units	R36509	0.1	1	3/25/2004	3/26/2004
068088-044A	610-263-1.5	7.45	pH Units	R36509	0.1	1	3/25/2004	3/26/2004

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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/14/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-001A	610-275-S	1.3	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-002A	610-275-0.3	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-003A	610-275-0.6	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-004A	610-274-S	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-005A	610-274-0.3	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-006A	610-274-0.6	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-008A	610-273-0.3	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-009A	610-273-0.6	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-010A	610-273-1.5	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068088-015A	610-271-S	21	mg/L	R37087	1	4	3/25/2004	4/13/2004
068088-016A	610-271-0.3	4.7	mg/L	R37087	0.25	1	3/25/2004	4/13/2004

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Advanced Technology Laboratories

Date: 4/14/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-019A	610-270-0.3	55	mg/L	R37087	2.5	10	3/25/2004	4/13/2004
068088-021A	610-269-0.3	26	mg/L	R37087	1	4	3/25/2004	4/13/2004
068088-022A	610-269-0.6	17	mg/L	R37087	0.5	2	3/25/2004	4/13/2004
068088-028A	610-267-0.3	7.0	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068088-030A	610-267-1.5	5.5	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068088-031A	610-266-S	5.5	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068088-032A	610-266-0.3	5.5	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068088-034A	610-265-S	13	mg/L	R37087	0.5	2	3/25/2004	4/13/2004
068088-036A	610-265-0.6	0.77	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068088-038A	610-264-S	2.9	mg/L	R37087	0.25	1	3/25/2004	4/13/2004
068088-039A	610-264-0.3	2.0	mg/L	R37087	0.25	1	3/25/2004	4/13/2004

Qualifiers:

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Advanced Technology Laboratories

Date: 4/14/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-041A	610-263-S	74	mg/L	R37087	2.5	10	3/25/2004	4/13/2004
068088-042A	610-263-0.3	17	mg/L	R37087	0.5	2	3/25/2004	4/13/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-001A	610-275-S	3.7	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-004A	610-274-S	1.9	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-007A	610-273-S	6.8	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-008A	610-273-0.3	3.5	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-011A	610-272-S	2.0	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-018A	610-270-S	16	mg/L	17807	0.5	2	3/25/2004	4/16/2004
068088-019A	610-270-0.3	4.9	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-020A	610-269-S	4.5	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-021A	610-269-0.3	1.1	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068088-027A	610-267-S	14	mg/L	17807	0.5	2	3/25/2004	4/16/2004
068088-041A	610-263-S	8.6	mg/L	17808	0.25	1	3/25/2004	4/16/2004

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068088
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068088-015A	610-271-S	0.26	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-019A	610-270-0.3	0.93	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-021A	610-269-0.3	0.27	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-022A	610-269-0.6	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-028A	610-267-0.3	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-030A	610-267-1.5	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-031A	610-266-S	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-032A	610-266-0.3	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-034A	610-265-S	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-041A	610-263-S	0.62	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068088-042A	610-263-0.3	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004

Qualifiers:

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-273-S
Lab Order:	068088		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068088-007A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.9	1.0		mg/Kg	1	4/12/2004
Barium	140	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	1.0	1.0		mg/Kg	1	4/12/2004
Chromium	30	1.0		mg/Kg	1	4/12/2004
Cobalt	7.3	1.0		mg/Kg	1	4/12/2004
Copper	84	1.0		mg/Kg	1	4/12/2004
Lead	2400	1.0		mg/Kg	1	4/12/2004
Molybdenum	4.3	1.0		mg/Kg	1	4/12/2004
Nickel	23	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	26	1.0		mg/Kg	1	4/12/2004
Zinc	400	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408E	QC Batch: 17772			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-270-S
Lab Order:	068088		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068088-018A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	7.4	1.0		mg/Kg	1	4/12/2004
Barium	120	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	22	1.0		mg/Kg	1	4/12/2004
Cobalt	7.0	1.0		mg/Kg	1	4/12/2004
Copper	64	1.0		mg/Kg	1	4/12/2004
Lead	2600	10		mg/Kg	10	4/13/2004
Molybdenum	2.0	1.0		mg/Kg	1	4/12/2004
Nickel	15	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Thallium	ND	10		mg/Kg	10	4/13/2004
Vanadium	31	1.0		mg/Kg	1	4/12/2004
Zinc	240	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408E	QC Batch: 17772			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.10	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17629A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403B
Client ID:	ZZZZZ	Batch ID:	17629	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545942

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

Sample ID	MB-17629B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403B
Client ID:	ZZZZZ	Batch ID:	17629	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545956

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

Sample ID	MB-17630A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403C
Client ID:	ZZZZZ	Batch ID:	17630	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545970

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

Sample ID	MB-17630B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403C
Client ID:	ZZZZZ	Batch ID:	17630	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545984

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

Sample ID	MB-17631A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	ZZZZZ	Batch ID:	17631	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545998

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17631B	MBLK	6010_SPB	mg/Kg	3/30/2004	ICP5_040403D
Client ID: ZZZZZ	Batch ID: 17631	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 4/3/2004	SeqNo: 546012

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17629	LCS	6010_SPB	mg/Kg	4/1/2004	ICP5_040403B
Client ID: ZZZZZ	Batch ID: 17629	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 4/3/2004	SeqNo: 545943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275	5.0	250	0	110	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17630	LCS	6010_SPB	mg/Kg	3/30/2004	ICP5_040403C
Client ID: ZZZZZ	Batch ID: 17630	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 4/3/2004	SeqNo: 545971

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.9	5.0	250	0	104	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17631	LCS	6010_SPB	mg/Kg	3/30/2004	ICP5_040403D
Client ID: ZZZZZ	Batch ID: 17631	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 4/3/2004	SeqNo: 545999

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.2	5.0	250	0	101	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-009AMS	MS	6010_SPB	mg/Kg	4/1/2004	ICP5_040403B
Client ID: 610-273-0.6	Batch ID: 17629	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 4/3/2004	SeqNo: 545955

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	350.4	5.0	250	112	95.4	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068088-019AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403B
Client ID:	610-270-0.3	Batch ID:	17629	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	4/3/2004	SeqNo:	545968

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	752.1	5.0	250	655.9	38.5	47	125	0	0		S

Sample ID	068088-029AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403C
Client ID:	610-267-0.6	Batch ID:	17630	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	4/3/2004	SeqNo:	545983

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.3	5.0	250	11.81	71	47	125	0	0		

Sample ID	068088-039AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403C
Client ID:	610-264-0.3	Batch ID:	17630	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	4/3/2004	SeqNo:	545996

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	231.1	5.0	250	60.9	68.1	47	125	0	0		

Sample ID	068089-005AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	ZZZZZ	Batch ID:	17631	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	4/3/2004	SeqNo:	546011

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	595.7	5.0	250	650.3	-21.8	47	125	0	0		S

Sample ID	068089-015AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/30/2004	Run ID:	ICP5_040403D
Client ID:	ZZZZZ	Batch ID:	17631	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	4/3/2004	SeqNo:	546024

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	178.1	5.0	250	26.37	60.7	47	125	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068088-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403B**
Client ID: **610-273-0.6** Batch ID: **17629** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	126.4	5.0	0	0	0	0	0	112	12.1	20	

Sample ID **068088-019ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403B**
Client ID: **610-270-0.3** Batch ID: **17629** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	611.8	5.0	0	0	0	0	0	655.9	6.96	20	

Sample ID **068088-029ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403C**
Client ID: **610-267-0.6** Batch ID: **17630** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545982**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.584	5.0	0	0	0	0	0	11.81	43.6	20	R

Sample ID **068088-039ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403C**
Client ID: **610-264-0.3** Batch ID: **17630** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545995**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	82.06	5.0	0	0	0	0	0	60.9	29.6	20	R

Sample ID **068089-005ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403D**
Client ID: **ZZZZZ** Batch ID: **17631** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	708.4	5.0	0	0	0	0	0	650.3	8.55	20	

Qualifiers:
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Calculations are based on raw values
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068089-015ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403D**
Client ID: **ZZZZZ** Batch ID: **17631** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	28.49	5.0	0	0	0	0	0	26.37	7.75	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068088-044ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/26/2004** Run ID: **WETCHEM_040326F**
Client ID: **610-263-1.5** Batch ID: **R36509** TestNo: **EPA 9045C** Analysis Date: **3/26/2004** SeqNo: **541914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.35	0.10	0	0	0	0	0	7.45	1.35	20	

Qualifiers:
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Date: *14-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17754	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413C
Client ID:	ZZZZZ	Batch ID:	R37088	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551797

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

Sample ID	MB-17754A	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413C
Client ID:	ZZZZZ	Batch ID:	R37088	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551798

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

Sample ID	MB-17754B	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413C
Client ID:	ZZZZZ	Batch ID:	R37088	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551812

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

Sample ID	MB-17778	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413B
Client ID:	ZZZZZ	Batch ID:	R37087	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551826

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

Sample ID	MB-17778A	SampType:	mblk	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413B
Client ID:	ZZZZZ	Batch ID:	R37087	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551827

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

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17778B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551841**

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

Sample ID **LCS-17754** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.992	0.25	5	0	99.8	80	120	0	0		

Sample ID **LCS-17778** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.073	0.25	5	0	101	80	120	0	0		

Sample ID **068087-011AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.508	0.25	5	0	90.2	70	130	0	0		

Sample ID **068088-010AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **610-273-1.5** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.465	0.25	5	0	89.3	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068088-034AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **610-265-S** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.86	0.50	5	12.94	98.4	70	130	0	0		

Sample ID **068089-011AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.36	1.0	5	21.97	108	70	130	0	0		

Sample ID **068087-011ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068088-010ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **610-273-1.5** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068088-034ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **610-265-S** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.38	0.50	0	0	0	0	0	12.94	4.46	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068089-011ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413B**
Client ID: **ZZZZZ** Batch ID: **R37087** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.12	1.0	0	0	0	0	0	21.97	0.647	20	

Qualifiers:
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DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17807A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	ZZZZZ	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553585

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

Sample ID	MB-17773A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	ZZZZZ	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553588

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

Sample ID	MB-17807B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	ZZZZZ	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553606

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

Sample ID	MB-17773B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	ZZZZZ	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553607

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

Sample ID	MB-17808A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553630

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

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Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17774A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553631**

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

Sample ID **MB-17808B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553658**

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

Sample ID **MB-17774B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553660**

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

Sample ID **LCS-17807** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.146	0.25	1	0	115	80	120	0	0		

Sample ID **LCS-17808** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.126	0.25	1	0	113	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068087-011AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.63	0.25	2.5	1.015	105	70	130	0	0		

Sample ID **068088-027AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **610-267-S** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.52	0.50	2.5	13.92	-56.1	70	130	0	0		S

Sample ID **068089-025AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553656**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.731	0.25	2.5	0.1657	103	70	130	0	0		

Sample ID **068090-003AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2394	104	70	130	0	0		

Sample ID **068087-011ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.04	0.25	0	0	0	0	0	1.015	2.44	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068088-027ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **610-267-S** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.182	0.50	0	0	0	0	0	13.92	41.0	20	R

Sample ID **068089-025ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553654**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1657	0	20	

Sample ID **068090-003ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416C**
Client ID: **ZZZZZ** Batch ID: **17808** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2394	0	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551143**

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

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **610-270-S** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17772	MBLK	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549058

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17772	LCS	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549057

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.13	0.10	2.08	0	102	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007AMS	MS	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: 610-273-S	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549054

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9235	0.10	0.83	0.0995	99.3	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007AMSD	MSD	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: 610-273-S	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549055

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9325	0.10	0.83	0.0995	100	62	146	0.9235	0.970	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007ADUP	DUP	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: 610-273-S	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549053

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1027	0.10	0	0	0	0	0	0.0995	3.18	30	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17878** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555162**

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

Sample ID **MB-17878A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555163**

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

Sample ID **MB-17878B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555177**

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

Sample ID **LCS-17878** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.126	0.25	5	0	103	80	120	0	0		

Sample ID **068088-031AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **610-266-S** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.564	0.25	5	0	111	70	130	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068088
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068089-016AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.675	0.25	5	0.1586	110	70	130	0	0		

Sample ID **068088-031ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **610-266-S** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555175**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068089-016ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1586	0	20	

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H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 5

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 10

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408088-001	610-275-5		3/25	9:57	soil	1	
-002	610-275-0.3			10:00			
-003	610-275-0.6			10:04			
-004	610-274-5			9:55			
-005	610-274-0.3			9:52			
-006	610-274-0.6			10:01			
-007	610-273-5			10:22			
-008	610-273-0.3			10:25			
-009	610-273-0.6			10:27			
-010	610-273-1.5			10:30			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 2 OF 5

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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 10

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☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068088-011	610-272-S		3/25	10:20	soil		
-012	610-272-0.3			10:23			
-013	610-272-0.6			10:25			
-014	610-272-1.5			10:30			
-015	610-271-S			11:01			
-016	610-271-0.3			11:04			
-017	610-271-0.6			11:07			
-018	610-270-S			11:01			
-019	610-270-0.3			11:04			
-020	610-269-S			11:40			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 3 OF 5

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 10

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068088-021	610-269-0.3		3/25	11:43	soil		
-022	610-269-0.6			11:50			
-023	610-268-5			11:41			
-024	610-268-0.3			11:44			
-025	610-268-0.6			11:47			
-026	610-268-1.5			11:53			
-027	610-267-5			1:35			
-028	610-267-0.3			1:38			
-029	610-267-0.6			1:42			
-030	610-267-1.5			1:46			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

Advanced Technology Laboratories
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CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 4 OF 5

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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 10

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0680886-031	610-266-5		3/25	1:33	soil		
-032	610-266-0.3			1:36			
-033	610-266-0.6			1:39			
-034	610-265-5			2:00			
-035	610-265-0.3			2:03			
-036	610-265-0.6			2:10			
-037	610-265-1.5			2:12			
-038	610-264-5			1:58			
-039	610-264-0.3			2:01			
-040	610-264-0.6			2:11			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 5 OF 5

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 10

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068088-041	610- 263-5		3/25	2:26	soil		
- 042	610- 263-0.3			2:29			
- 043	610- 263-0.6			2:31			
- 044	610- 263-1.5			2:34			
- 045	610-						
- 046	610-						
- 047	610-						
- 048	610-						
	610-						
-	610-						

BA 03/26

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068087

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068087
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068087-001A	610-276-S	310	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-002A	610-276-0.3	23	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-003A	610-276-0.6	21	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-004A	610-276-1.5	21	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-005A	610-277-S	210	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-006A	610-277-0.3	42	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-007A	610-277-0.6	24	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-008A	610-278-S	240	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-009A	610-278-0.3	68	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-010A	610-279-S	880	mg/Kg	17596	5	1	3/25/2004	4/3/2004
068087-011A	610-279-0.3	190	mg/Kg	17596	5	1	3/25/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068087
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068087-012A	610-279-0.6	76	mg/Kg	17629	5	1	3/25/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/14/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068087
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068087-001A	610-276-S	20	mg/L	R37088	0.5	2	3/25/2004	4/13/2004
068087-005A	610-277-S	17	mg/L	R37088	0.5	2	3/25/2004	4/13/2004
068087-008A	610-278-S	21	mg/L	R37088	1	4	3/25/2004	4/13/2004
068087-009A	610-278-0.3	4.0	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068087-010A	610-279-S	2.2	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068087-011A	610-279-0.3	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004
068087-012A	610-279-0.6	ND	mg/L	R37088	0.25	1	3/25/2004	4/13/2004

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068087
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068087-001A	610-276-S	0.36	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068087-005A	610-277-S	0.87	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068087-008A	610-278-S	0.92	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068087-010A	610-279-S	2.1	mg/L	17807	0.25	1	3/25/2004	4/16/2004
068087-011A	610-279-0.3	1.0	mg/L	17807	0.25	1	3/25/2004	4/16/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-279-S
Lab Order:	068087		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068087-010A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.5	1.0		mg/Kg	1	4/12/2004
Barium	120	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	24	1.0		mg/Kg	1	4/12/2004
Cobalt	7.4	1.0		mg/Kg	1	4/12/2004
Copper	51	1.0		mg/Kg	1	4/12/2004
Lead	1000	1.0		mg/Kg	1	4/12/2004
Molybdenum	2.3	1.0		mg/Kg	1	4/12/2004
Nickel	18	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	29	1.0		mg/Kg	1	4/12/2004
Zinc	310	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.19	0.10		mg/Kg	1	4/8/2004

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068087
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068087-001A	610-276-S	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068087-005A	610-277-S	ND	mg/L	R37292	0.25	1	3/25/2004	4/19/2004
068087-008A	610-278-S	0.26	mg/L	R37292	0.25	1	3/25/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17596A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545914**

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

Sample ID **MB-17596B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545928**

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

Sample ID **MB-17629A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403B**
Client ID: **ZZZZZ** Batch ID: **17629** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545942**

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

Sample ID **MB-17629B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403B**
Client ID: **ZZZZZ** Batch ID: **17629** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545956**

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

Sample ID **LCS-17596** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **ZZZZZ** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	267.8	5.0	250	0	107	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	LCS-17629	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403B
Client ID:	ZZZZZ	Batch ID:	17629	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275	5.0	250	0	110	80	120	0	0		

Sample ID	068087-001AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403A
Client ID:	610-276-S	Batch ID:	17596	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	468.1	5.0	250	311.6	62.6	47	125	0	0		

Sample ID	068087-011AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403A
Client ID:	610-279-0.3	Batch ID:	17596	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545940

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	400.6	5.0	250	190.3	84.1	47	125	0	0		

Sample ID	068088-009AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403B
Client ID:	ZZZZZ	Batch ID:	17629	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545955

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	350.4	5.0	250	112	95.4	47	125	0	0		

Sample ID	068088-019AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	ICP5_040403B
Client ID:	ZZZZZ	Batch ID:	17629	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	4/3/2004	SeqNo:	545968

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	752.1	5.0	250	655.9	38.5	47	125	0	0		S

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068087-001ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **610-276-S** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	334.8	5.0	0	0	0	0	0	311.6	7.19	20	

Sample ID **068087-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403A**
Client ID: **610-279-0.3** Batch ID: **17596** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	181.3	5.0	0	0	0	0	0	190.3	4.85	20	

Sample ID **068088-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403B**
Client ID: **ZZZZZ** Batch ID: **17629** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	126.4	5.0	0	0	0	0	0	112	12.1	20	

Sample ID **068088-019ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **ICP5_040403B**
Client ID: **ZZZZZ** Batch ID: **17629** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **545967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	611.8	5.0	0	0	0	0	0	655.9	6.96	20	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *14-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17754** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551797**

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

Sample ID **MB-17754A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551798**

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

Sample ID **MB-17754B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551812**

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

Sample ID **LCS-17754** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **ZZZZZ** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.992	0.25	5	0	99.8	80	120	0	0		

Sample ID **068087-011AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040413C**
Client ID: **610-279-0.3** Batch ID: **R37088** TestNo: **WET/ EPA 74** Analysis Date: **4/13/2004** SeqNo: **551811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.508	0.25	5	0	90.2	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	068088-010AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413C
Client ID:	ZZZZZ	Batch ID:	R37088	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551824

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.465	0.25	5	0	89.3	70	130	0	0		

Sample ID	068087-011ADUP	SampType:	DUP	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413C
Client ID:	610-279-0.3	Batch ID:	R37088	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551810

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID	068088-010ADUP	SampType:	DUP	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040413C
Client ID:	ZZZZZ	Batch ID:	R37088	TestNo:	WET/ EPA 74			Analysis Date:	4/13/2004	SeqNo:	551823

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17807A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553585**

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

Sample ID **MB-17773A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553588**

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

Sample ID **MB-17807B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553606**

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

Sample ID **MB-17773B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553607**

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

Sample ID **LCS-17807** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/9/2004** Run ID: **AA2_040416A**
Client ID: **ZZZZZ** Batch ID: **17807** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/16/2004** SeqNo: **553590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.146	0.25	1	0	115	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	068087-011AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	610-279-0.3	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553605

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.63	0.25	2.5	1.015	105	70	130	0	0		

Sample ID	068088-027AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	ZZZZZ	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553625

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.52	0.50	2.5	13.92	-56.1	70	130	0	0		S

Sample ID	068087-011ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	610-279-0.3	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553604

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.04	0.25	0	0	0	0	0	1.015	2.44	20	

Sample ID	068088-027ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416A
Client ID:	ZZZZZ	Batch ID:	17807	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553623

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.182	0.50	0	0	0	0	0	13.92	41.0	20	R

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551143**

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

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

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CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17771	MBLK	7471_S	mg/Kg	4/8/2004	AA1_040408D
Client ID: ZZZZZ	Batch ID: 17771	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549051

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17771	LCS	7471_S	mg/Kg	4/8/2004	AA1_040408D
Client ID: ZZZZZ	Batch ID: 17771	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549050

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067988-040AMS	MS	7471_S	mg/Kg	4/8/2004	AA1_040408D
Client ID: ZZZZZ	Batch ID: 17771	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549039

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067988-040AMSD	MSD	7471_S	mg/Kg	4/8/2004	AA1_040408D
Client ID: ZZZZZ	Batch ID: 17771	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549040

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067988-040ADUP	DUP	7471_S	mg/Kg	4/8/2004	AA1_040408D
Client ID: ZZZZZ	Batch ID: 17771	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

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Advanced Technology Laboratories

Date: *21-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17878** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555162**

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

Sample ID **MB-17878A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555163**

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

Sample ID **MB-17878B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555177**

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

Sample ID **LCS-17878** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.126	0.25	5	0	103	80	120	0	0		

Sample ID **068088-031AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.564	0.25	5	0	111	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068087
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068089-016AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.675	0.25	5	0.1586	110	70	130	0	0		

Sample ID **068088-031ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555175**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068089-016ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419M**
Client ID: **ZZZZZ** Batch ID: **R37292** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1586	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 11

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1 cont. from 3/24/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068087 - N01	610- 276-S		3/25	8:48	soil		
- N2	610- 276-0.3		↓	8:50			
- N3	610- 276-0.6			8:52			
- N4	610- 276-1.5			9:01			
- N5	610- 277.5			8:51			
- N6	610- 277-0.3			8:54			
- N7	610- 277-0.6			8:57			
- N8	610- 278-S			9:14			
- N9	610- 278-0.3			9:17			
- N10	610- 279.5		↓	14			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 13

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0601187-01	610- 279-0.3		3/25	9:16	soil		
-02	610- 279-0.6		↓	9:20			
	610- ~~275-5~~						
	610- ~~275-0.3~~						
	610- ~~275-0.6~~						
	610- ~~274-5~~						
	610- ~~274-0.3~~						
	610- ~~274-0.6~~						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068046

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068046
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068046-001A	610-280-S	560	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-002A	610-280-0.3	5.5	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-003A	610-280-0.6	8.3	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-004A	610-280-1.5	ND	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-005A	610-281-S	150	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-006A	610-281-0.3	ND	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-007A	610-281-0.6	ND	mg/Kg	17556	5	1	3/24/2004	3/30/2004
068046-008A	610-281-1.5	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-009A	610-282-S	550	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-010A	610-282-0.3	110	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-011A	610-282-0.6	25	mg/Kg	17586	5	1	3/24/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068046
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068046-012A	610-282-1.5	6.3	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-013A	610-283-S	61	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-014A	610-283-0.3	100	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-015A	610-283-0.6	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004
068046-016A	610-283-1.5	ND	mg/Kg	17586	5	1	3/24/2004	3/30/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068046
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068046-004A	610-280-1.5	6.94	pH Units	R36507	0.1	1	3/24/2004	3/26/2004
068046-008A	610-281-1.5	9.26	pH Units	R36507	0.1	1	3/24/2004	3/26/2004
068046-012A	610-282-1.5	8.46	pH Units	R36507	0.1	1	3/24/2004	3/26/2004
068046-016A	610-283-1.5	7.90	pH Units	R36508	0.1	1	3/24/2004	3/26/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068046
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068046-001A	610-280-S	39	mg/L	R36978	1.2	5	3/24/2004	4/10/2004
068046-005A	610-281-S	15	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068046-009A	610-282-S	74	mg/L	R36978	2.5	10	3/24/2004	4/10/2004
068046-010A	610-282-0.3	12	mg/L	R36978	0.5	2	3/24/2004	4/10/2004
068046-013A	610-283-S	5.4	mg/L	R36978	0.25	1	3/24/2004	4/10/2004
068046-014A	610-283-0.3	11	mg/L	R36978	0.5	2	3/24/2004	4/10/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068046
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068046-001A	610-280-S	1.2	mg/L	17762	0.25	1	3/24/2004	4/14/2004
068046-009A	610-282-S	5.0	mg/L	17762	0.25	1	3/24/2004	4/14/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-280-S
Lab Order:	068046		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/24/2004
Lab ID:	068046-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412D	QC Batch: 17804			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.9	1.0		mg/Kg	1	4/12/2004
Barium	200	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	30	1.0		mg/Kg	1	4/12/2004
Cobalt	7.5	1.0		mg/Kg	1	4/12/2004
Copper	140	1.0		mg/Kg	1	4/12/2004
Lead	470	1.0		mg/Kg	1	4/12/2004
Molybdenum	5.6	1.0		mg/Kg	1	4/12/2004
Nickel	27	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	28	1.0		mg/Kg	1	4/12/2004
Zinc	440	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.11	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068046
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068046-001A	610-280-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068046-005A	610-281-S	ND	mg/L	R37285	0.25	1	3/24/2004	4/19/2004
068046-009A	610-282-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068046-010A	610-282-0.3	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068046-013A	610-283-S	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004
068046-014A	610-283-0.3	ND	mg/L	R37286	0.25	1	3/24/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17556A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544338**

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

Sample ID **MB-17556B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544352**

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

Sample ID **MB-17586A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330I**
Client ID: **ZZZZZ** Batch ID: **17586** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544366**

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

Sample ID **MB-17586B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330I**
Client ID: **ZZZZZ** Batch ID: **17586** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544380**

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

Sample ID **LCS-17556** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.7	5.0	250	0	101	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17586** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330I**
Client ID: **ZZZZZ** Batch ID: **17586** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	261.7	5.0	250	0	105	80	120	0	0		

Sample ID **068045-030AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **ZZZZZ** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	185.2	5.0	250	3.986	72.5	47	125	0	0		

Sample ID **068046-007AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330H**
Client ID: **610-281-0.6** Batch ID: **17556** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.6	5.0	250	2.785	68.3	47	125	0	0		

Sample ID **068056-001AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330I**
Client ID: **ZZZZZ** Batch ID: **17586** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	173.9	5.0	250	0	69.6	47	125	0	0		

Sample ID **068056-011AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040330I**
Client ID: **ZZZZZ** Batch ID: **17586** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **544392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	250	0	0	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068045-030ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330H
Client ID:	ZZZZZ	Batch ID:	17556	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544350

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.986	0	20	

Sample ID	068046-007ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330H
Client ID:	610-281-0.6	Batch ID:	17556	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544363

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.785	0	20	

Sample ID	068056-001ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	ZZZZZ	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544378

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

Sample ID	068056-011ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040330I
Client ID:	ZZZZZ	Batch ID:	17586	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	544391

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

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Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID	068046-012ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/26/2004	Run ID:	WETCHEM_040326D
Client ID:	610-282-1.5	Batch ID:	R36507	TestNo:	EPA 9045C			Analysis Date:	3/26/2004	SeqNo:	541886

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.44	0.10	0	0	0	0	0	8.46	0.237	20	

Sample ID	068086-020ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/26/2004	Run ID:	WETCHEM_040326E
Client ID:	ZZZZZ	Batch ID:	R36508	TestNo:	EPA 9045C			Analysis Date:	3/26/2004	SeqNo:	541899

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.67	0.10	0	0	0	0	0	7.79	1.55	20	

Qualifiers:
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DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17750	MBLK	7420_ST	mg/L		AA2_040410A
Client ID: ZZZZZ	Batch ID: R36978	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549841

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17750A	MBLK	7420_ST	mg/L		AA2_040410A
Client ID: ZZZZZ	Batch ID: R36978	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549842

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17750B	MBLK	7420_ST	mg/L		AA2_040410A
Client ID: ZZZZZ	Batch ID: R36978	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549856

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17750	LCS	7420_ST	mg/L		AA2_040410A
Client ID: ZZZZZ	Batch ID: R36978	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549843

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.249	0.25	5	0	105	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068046-001AMS	MS	7420_ST	mg/L		AA2_040410A
Client ID: 610-280-S	Batch ID: R36978	TestNo: WET/ EPA 74		Analysis Date: 4/10/2004	SeqNo: 549855

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.53	1.2	5	38.92	92.1	70	130	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068056-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	62.39	2.5	5	59.6	55.7	70	130	0	0		S

Sample ID **068046-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **610-280-S** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.89	1.2	0	0	0	0	0	38.92	2.69	20	

Sample ID **068056-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410A**
Client ID: **ZZZZZ** Batch ID: **R36978** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	61.61	2.5	0	0	0	0	0	59.6	3.32	20	

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17762A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553009

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

Sample ID	MB-17746A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553010

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

Sample ID	MB-17762B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553025

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

Sample ID	MB-17746B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553026

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

Sample ID	LCS-17762	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553011

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.189	0.25	1	0	119	80	120	0	0		

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CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068045-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.308	0.25	2.5	0.7553	102	70	130	0	0		

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2813	103	70	130	0	0		

Sample ID **068045-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7348	0.25	0	0	0	0	0	0.7553	2.75	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2927	0.25	0	0	0	0	0	0.2813	3.97	20	

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551143**

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

Sample ID **MB-17804** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Thallium	ND	1.0									

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	2.0	50	0	86	80	120	0	0		

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CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.52	1.0	50	0	87	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	43.96	1.0	50	0	87.9	80	120	0	0		
Cadmium	43.41	1.0	50	0	86.8	80	120	0	0		
Chromium	47.02	1.0	50	0	94	80	120	0	0		
Cobalt	44.6	1.0	50	0	89.2	80	120	0	0		
Copper	45.33	2.0	50	0	90.7	80	120	0	0		
Lead	45.76	1.0	50	0	91.5	80	120	0	0		
Molybdenum	44.45	1.0	50	0	88.9	80	120	0	0		
Nickel	43.66	1.0	50	0	87.3	80	120	0	0		
Selenium	40.84	1.0	50	0	81.7	80	120	0	0		
Silver	52.3	1.0	50	0	105	80	120	0	0		
Vanadium	42.5	1.0	50	0	85	80	120	0	0		
Zinc	44.41	1.0	50	0	88.8	80	120	0	0		

Sample ID **LCS-17804** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.36	1.0	50	0	96.7	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.5	2.0	125	0	66	23	118	0	0		
Arsenic	113	1.0	125	7.385	84.5	64	111	0	0		
Barium	234.5	1.0	125	115.7	95	36	146	0	0		
Beryllium	103.5	1.0	125	0	82.8	50	120	0	0		

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	0	77.2	62	107	0	0		
Chromium	134	1.0	125	22.08	89.5	63	119	0	0		
Cobalt	113.5	1.0	125	6.96	85.2	63	111	0	0		
Copper	185.5	2.0	125	64.1	97.1	58	136	0	0		
Lead	2914	1.0	125	2581	267	47	125	0	0		S
Molybdenum	112	1.0	125	2.015	88	63	116	0	0		
Nickel	118	1.0	125	15.08	82.3	57	116	0	0		
Selenium	91	1.0	125	0	72.8	47	118	0	0		
Silver	138	1.0	125	0	110	48	125	0	0		
Vanadium	128.5	1.0	125	31.49	77.6	65	122	0	0		
Zinc	322	1.0	125	236.8	68.2	36	140	0	0		

Sample ID **068088-018AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3039	10	125	2008	825	47	125	0	0		S
Thallium	103.9	10	125	0	83.1	49	116	0	0		

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83	2.0	125	0	66.4	23	118	82.5	0.604	20	
Arsenic	115	1.0	125	7.385	86.1	64	111	113	1.75	20	
Barium	234	1.0	125	115.7	94.6	36	146	234.5	0.213	20	
Beryllium	104.5	1.0	125	0	83.6	50	120	103.5	0.962	20	
Cadmium	97.5	1.0	125	0	78	62	107	96.5	1.03	20	
Chromium	137.5	1.0	125	22.08	92.3	63	119	134	2.58	20	
Cobalt	114	1.0	125	6.96	85.6	63	111	113.5	0.440	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	186.5	2.0	125	64.1	97.9	58	136	185.5	0.538	20	
Lead	2781	1.0	125	2581	160	47	125	2914	4.69	20	S
Molybdenum	114	1.0	125	2.015	89.6	63	116	112	1.77	20	
Nickel	120	1.0	125	15.08	83.9	57	116	118	1.68	20	
Selenium	93.5	1.0	125	0	74.8	47	118	91	2.71	20	
Silver	136.5	1.0	125	0	109	48	125	138	1.09	20	
Vanadium	131	1.0	125	31.49	79.6	65	122	128.5	1.93	20	
Zinc	324	1.0	125	236.8	69.8	36	140	322	0.619	20	

Sample ID **068088-018AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2904	10	125	2008	717	47	125	3039	4.55	20	S
Thallium	107.7	10	125	0	86.2	49	116	103.9	3.60	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	6.395	1.0	0	0	0	0	0	7.385	14.4	20	
Barium	111.7	1.0	0	0	0	0	0	115.7	3.52	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	20.62	1.0	0	0	0	0	0	22.08	6.79	20	
Cobalt	6.14	1.0	0	0	0	0	0	6.96	12.5	20	
Copper	61.25	2.0	0	0	0	0	0	64.1	4.55	20	
Lead	2619	1.0	0	0	0	0	0	2581	1.46	20	
Molybdenum	2.335	1.0	0	0	0	0	0	2.015	14.7	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412D**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **551149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	14.54	1.0	0	0	0	0	0	15.08	3.68	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.46	1.0	0	0	0	0	0	31.49	21.2	20	R
Zinc	217.6	1.0	0	0	0	0	0	236.8	8.47	20	

Sample ID **068088-018ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413I**
Client ID: **ZZZZZ** Batch ID: **17804** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2686	10	0	0	0	0	0	2008	28.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	MB-17771	SampType:	MBLK	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/8/2004	Run ID:	AA1_040408D
Client ID:	ZZZZZ	Batch ID:	17771	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/8/2004	SeqNo:	549051

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

Sample ID	LCS-17771	SampType:	LCS	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/8/2004	Run ID:	AA1_040408D
Client ID:	ZZZZZ	Batch ID:	17771	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/8/2004	SeqNo:	549050

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID	067988-040AMS	SampType:	MS	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/8/2004	Run ID:	AA1_040408D
Client ID:	ZZZZZ	Batch ID:	17771	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/8/2004	SeqNo:	549039

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID	067988-040AMSD	SampType:	MSD	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/8/2004	Run ID:	AA1_040408D
Client ID:	ZZZZZ	Batch ID:	17771	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/8/2004	SeqNo:	549040

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID	067988-040ADUP	SampType:	DUP	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/8/2004	Run ID:	AA1_040408D
Client ID:	ZZZZZ	Batch ID:	17771	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/8/2004	SeqNo:	549038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17839** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554992**

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

Sample ID **MB-17839A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554993**

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

Sample ID **MB-17839B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555008**

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

Sample ID **MB-17840** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555022**

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

Sample ID **MB-17840A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555023**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17840B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555037**

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

Sample ID **LCS-17839** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.108	0.25	5	0	102	80	120	0	0		

Sample ID **LCS-17840** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.099	0.25	5	0	102	80	120	0	0		

Sample ID **068045-008AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.372	0.25	5	0	107	70	130	0	0		

Sample ID **068046-005AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **610-281-S** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.368	0.25	5	0.1359	105	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068056-020AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.307	0.25	5	0.06344	105	70	130	0	0		

Sample ID **068056-060AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.457	0.25	5	0.1449	106	70	130	0	0		

Sample ID **068045-008ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068046-005ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **610-281-S** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1359	0	20	

Sample ID **068056-020ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.06344	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068046
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068056-060ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419I**
Client ID: **ZZZZZ** Batch ID: **R37286** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1449	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 11

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0603046-001	610-280-5		3/24	3:17	soil	1	
-002	610-280-0.3			3:19			
-003	610-280-0.6			3:22			
-004	610-280-1.5			3:30			
-005	610-281-5			3:05			
-006	610-281-0.3			3:09			
-007	610-281-0.6			3:13			
-008	610-281-1.5			3:17			
-009	610-282-5			3:04			
-010	610-282-0.3			3:06			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00P
[signature]	[signature]	3-24-04	6:30P

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 2/24/04
PAGE: 2 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 11

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068046-011	610-282-0.6		2/24	3:12	soil	1	
-012	610-282-1.5			3:26			
-013	610-283-5			3:01			
-014	610-283-0.3			3:04			
-015	610-283-0.6			3:06			
-016	610-283-1.5			3:11			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	6:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068029

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-001A	610-306-S	500	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-002A	610-306-0.3	10	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-003A	610-306-0.6	7.3	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-004A	610-305-S	240	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-005A	610-305-0.3	66	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-006A	610-305-0.6	30	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-007A	610-304-S	150	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-008A	610-304-0.3	24	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-009A	610-304-0.6	24	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-010A	610-303-S	66	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-011A	610-303-0.3	32	mg/Kg	17549	5	1	3/23/2004	3/29/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-012A	610-303-0.6	19	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-013A	610-302-S	120	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-014A	610-302-0.3	ND	mg/Kg	17549	5	1	3/23/2004	3/29/2004
068029-015A	610-302-0.6	46	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-016A	610-301-S	41	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-017A	610-301-0.3	11	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-018A	610-301-0.6	8.9	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-019A	610-310-S	670	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-020A	610-310-0.3	360	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-021A	610-309-S	300	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-022A	610-309-0.3	31	mg/Kg	17550	5	1	3/23/2004	3/29/2004

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-023A	610-309-0.6	13	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-024A	610-308-S	130	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-025A	610-308-0.3	17	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-026A	610-307-S	38	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-027A	610-307-0.3	43	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-028A	610-307-0.6	6.6	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-029A	610-298-S	46	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-030A	610-298-0.3	8.0	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-031A	610-298-0.6	5.4	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-032A	610-297-S	550	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-033A	610-297-0.3	81	mg/Kg	17550	5	1	3/23/2004	3/29/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-034A	610-297-0.6	ND	mg/Kg	17550	5	1	3/23/2004	3/29/2004
068029-035A	610-296-S	280	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-036A	610-296-0.3	850	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-037A	610-296-0.6	69	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-038A	610-295-S	410	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-039A	610-295-0.3	160	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-040A	610-295-0.6	42	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-041A	610-300-S	490	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-042A	610-300-0.3	19	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-043A	610-300-0.6	8.1	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-044A	610-299-S	130	mg/Kg	17551	5	1	3/23/2004	3/29/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-045A	610-299-0.3	75	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-046A	610-299-0.6	29	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-047A	610-294-S	340	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-048A	610-294-0.3	430	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-049A	610-294-0.6	37	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-050A	610-293-S	350	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-051A	610-293-0.3	37	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-052A	610-292-S	340	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-053A	610-292-0.3	79	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-054A	610-292-0.6	7.1	mg/Kg	17551	5	1	3/23/2004	3/29/2004
068029-055A	610-291-S	360	mg/Kg	17552	5	1	3/23/2004	3/30/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-056A	610-291-0.3	14	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-057A	610-291-0.6	24	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-058A	610-290-S	100	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-059A	610-290-0.3	100	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-060A	610-290-0.6	37	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-061A	610-289-S	100	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-062A	610-289-0.3	58	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-063A	610-289-0.6	7.9	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-064A	610-288-S	69	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-065A	610-288-0.3	99	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-066A	610-288-0.6	10	mg/Kg	17552	5	1	3/23/2004	3/30/2004

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-067A	610-287-S	570	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-068A	610-287-0.3	36	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-069A	610-287-0.6	19	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-070A	610-286-S	370	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-071A	610-286-0.3	75	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-072A	610-286-0.6	35	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-073A	610-285-S	440	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-074A	610-284-S	350	mg/Kg	17552	5	1	3/23/2004	3/30/2004
068029-075A	610-284-0.3	76	mg/Kg	17553	5	1	3/23/2004	3/31/2004
068029-076A	610-284-0.6	77	mg/Kg	17553	5	1	3/23/2004	3/31/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-010A	610-303-S	6.01	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068029-020A	610-310-0.3	7.28	pH Units	R36450	0.1	1	3/23/2004	3/25/2004
068029-030A	610-298-0.3	6.84	pH Units	R36451	0.1	1	3/23/2004	3/25/2004
068029-040A	610-295-0.6	7.68	pH Units	R36451	0.1	1	3/23/2004	3/25/2004
068029-050A	610-293-S	8.01	pH Units	R36451	0.1	1	3/23/2004	3/25/2004
068029-060A	610-290-0.6	7.30	pH Units	R36451	0.1	1	3/23/2004	3/25/2004
068029-070A	610-286-S	7.57	pH Units	R36451	0.1	1	3/23/2004	3/25/2004
068029-073A	610-285-S	7.95	pH Units	R36451	0.1	1	3/23/2004	3/25/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-001A	610-306-S	37	mg/L	R36975	2.5	10	3/23/2004	4/9/2004
068029-004A	610-305-S	36	mg/L	R36975	2.5	10	3/23/2004	4/9/2004
068029-005A	610-305-0.3	9.7	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068029-007A	610-304-S	9.3	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068029-010A	610-303-S	2.8	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-013A	610-302-S	8.2	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-019A	610-310-S	59	mg/L	R36976	2.5	10	3/23/2004	4/9/2004
068029-020A	610-310-0.3	19	mg/L	R36976	0.5	2	3/23/2004	4/9/2004
068029-021A	610-309-S	18	mg/L	R36976	0.5	2	3/23/2004	4/9/2004
068029-024A	610-308-S	8.3	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-032A	610-297-S	52	mg/L	R36976	2.5	10	3/23/2004	4/9/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-033A	610-297-0.3	2.2	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-035A	610-296-S	24	mg/L	R36976	1.2	5	3/23/2004	4/9/2004
068029-036A	610-296-0.3	61	mg/L	R36976	2.5	10	3/23/2004	4/9/2004
068029-037A	610-296-0.6	4.0	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-038A	610-295-S	32	mg/L	R36976	1.2	5	3/23/2004	4/9/2004
068029-039A	610-295-0.3	17	mg/L	R36976	0.5	2	3/23/2004	4/9/2004
068029-041A	610-300-S	37	mg/L	R36976	1.2	5	3/23/2004	4/9/2004
068029-044A	610-299-S	9.1	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-045A	610-299-0.3	0.40	mg/L	R36976	0.25	1	3/23/2004	4/9/2004
068029-047A	610-294-S	44	mg/L	R36976	2.5	10	3/23/2004	4/9/2004
068029-048A	610-294-0.3	38	mg/L	R36976	2.5	10	3/23/2004	4/9/2004

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Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-050A	610-293-S	25	mg/L	R36976	2.5	10	3/23/2004	4/9/2004
068029-052A	610-292-S	24	mg/L	R36976	2.5	10	3/23/2004	4/9/2004
068029-053A	610-292-0.3	4.7	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-055A	610-291-S	33	mg/L	R36977	2.5	10	3/23/2004	4/9/2004
068029-058A	610-290-S	4.4	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-059A	610-290-0.3	6.5	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-061A	610-289-S	9.6	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-062A	610-289-0.3	2.9	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-064A	610-288-S	4.3	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-065A	610-288-0.3	5.3	mg/L	R36977	0.25	1	3/23/2004	4/9/2004
068029-067A	610-287-S	36	mg/L	R36977	2.5	10	3/23/2004	4/10/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-070A	610-286-S	27	mg/L	R36977	1.2	5	3/23/2004	4/10/2004
068029-071A	610-286-0.3	1.3	mg/L	R36977	0.25	1	3/23/2004	4/10/2004
068029-073A	610-285-S	30	mg/L	R36977	1.2	5	3/23/2004	4/10/2004
068029-074A	610-284-S	21	mg/L	R36977	1.2	5	3/23/2004	4/10/2004
068029-075A	610-284-0.3	3.5	mg/L	R36977	0.25	1	3/23/2004	4/10/2004
068029-076A	610-284-0.6	4.3	mg/L	R36977	0.25	1	3/23/2004	4/10/2004

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S - Spike/Surrogate outside of limits due to matrix interfere
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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-001A	610-306-S	1.2	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-004A	610-305-S	0.77	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-019A	610-310-S	1.4	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-020A	610-310-0.3	0.71	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-021A	610-309-S	0.36	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-032A	610-297-S	0.86	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-035A	610-296-S	0.86	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-036A	610-296-0.3	1.3	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-038A	610-295-S	0.90	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-041A	610-300-S	1.4	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-047A	610-294-S	1.1	mg/L	17761	0.25	1	3/23/2004	4/14/2004

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-048A	610-294-0.3	1.8	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-050A	610-293-S	0.63	mg/L	17761	0.25	1	3/23/2004	4/14/2004
068029-052A	610-292-S	0.61	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068029-055A	610-291-S	3.0	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068029-067A	610-287-S	0.51	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068029-070A	610-286-S	0.79	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068029-073A	610-285-S	0.60	mg/L	17762	0.25	1	3/23/2004	4/14/2004
068029-074A	610-284-S	0.54	mg/L	17762	0.25	1	3/23/2004	4/14/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-310-S
Lab Order:	068029		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068029-019A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	6.4	1.0		mg/Kg	1	4/12/2004
Barium	130	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	21	1.0		mg/Kg	1	4/12/2004
Cobalt	6.7	1.0		mg/Kg	1	4/12/2004
Copper	60	1.0		mg/Kg	1	4/12/2004
Lead	1100	1.0		mg/Kg	1	4/12/2004
Molybdenum	3.0	1.0		mg/Kg	1	4/12/2004
Nickel	19	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	28	1.0		mg/Kg	1	4/12/2004
Zinc	240	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-296-0.3
Lab Order:	068029		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068029-036A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.8	1.0		mg/Kg	1	4/12/2004
Barium	160	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	2.0	1.0		mg/Kg	1	4/12/2004
Chromium	41	1.0		mg/Kg	1	4/12/2004
Cobalt	8.0	1.0		mg/Kg	1	4/12/2004
Copper	54	1.0		mg/Kg	1	4/12/2004
Lead	810	1.0		mg/Kg	1	4/12/2004
Molybdenum	3.2	1.0		mg/Kg	1	4/12/2004
Nickel	26	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	36	1.0		mg/Kg	1	4/12/2004
Zinc	240	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408D	QC Batch: 17771			PrepDate	4/8/2004	Analyst: **JT**
Mercury	0.11	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-001A	610-306-S	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068029-004A	610-305-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-005A	610-305-0.3	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-007A	610-304-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-013A	610-302-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-019A	610-310-S	0.26	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-020A	610-310-0.3	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-021A	610-309-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-024A	610-308-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-032A	610-297-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-035A	610-296-S	0.28	mg/L	R37284	0.25	1	3/23/2004	4/19/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-036A	610-296-0.3	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-038A	610-295-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-039A	610-295-0.3	0.29	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-041A	610-300-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-044A	610-299-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-047A	610-294-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-048A	610-294-0.3	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-050A	610-293-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-052A	610-292-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-055A	610-291-S	ND	mg/L	R37284	0.25	1	3/23/2004	4/19/2004
068029-059A	610-290-0.3	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068029
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068029-061A	610-289-S	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004
068029-065A	610-288-0.3	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004
068029-067A	610-287-S	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004
068029-070A	610-286-S	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004
068029-073A	610-285-S	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004
068029-074A	610-284-S	ND	mg/L	R37285	0.25	1	3/23/2004	4/19/2004

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17549A	MBLK	6010_SPB	mg/Kg	3/26/2004	ICP5_040329C
Client ID: ZZZZZ	Batch ID: 17549	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 542908

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17549B	MBLK	6010_SPB	mg/Kg	3/26/2004	ICP5_040329C
Client ID: ZZZZZ	Batch ID: 17549	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 542922

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17550A	MBLK	6010_SPB	mg/Kg	3/26/2004	ICP5_040329D
Client ID: ZZZZZ	Batch ID: 17550	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 542937

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17550B	MBLK	6010_SPB	mg/Kg	3/26/2004	ICP5_040329D
Client ID: ZZZZZ	Batch ID: 17550	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 542951

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17551A	MBLK	6010_SPB	mg/Kg	3/26/2004	ICP5_040329E
Client ID: ZZZZZ	Batch ID: 17551	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 543435

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

Qualifiers:
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J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17551B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329E**
Client ID: **ZZZZZ** Batch ID: **17551** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **543449**

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

Sample ID **MB-17552A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040330F**
Client ID: **ZZZZZ** Batch ID: **17552** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **543735**

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

Sample ID **MB-17552B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040330F**
Client ID: **ZZZZZ** Batch ID: **17552** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/30/2004** SeqNo: **543749**

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

Sample ID **MB-17553A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040331E**
Client ID: **ZZZZZ** Batch ID: **17553** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544520**

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

Sample ID **LCS-17549** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/26/2004** Run ID: **ICP5_040329C**
Client ID: **ZZZZZ** Batch ID: **17549** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **542909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251.7	5.0	250	0	101	80	120	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	LCS-17550	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329D
Client ID:	ZZZZZ	Batch ID:	17550	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542938

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.1	5.0	250	0	100	80	120	0	0		

Sample ID	LCS-17551	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329E
Client ID:	ZZZZZ	Batch ID:	17551	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	543436

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.7	5.0	250	0	103	80	120	0	0		

Sample ID	LCS-17552	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040330F
Client ID:	ZZZZZ	Batch ID:	17552	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	543736

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	257	5.0	250	0	103	80	120	0	0		

Sample ID	LCS-17553	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040331E
Client ID:	ZZZZZ	Batch ID:	17553	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290.4	5.0	250	0	116	80	120	0	0		

Sample ID	068029-004AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329C
Client ID:	610-305-S	Batch ID:	17549	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542921

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	597.3	5.0	250	236.9	144	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068029-014AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329C
Client ID:	610-302-0.3	Batch ID:	17549	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542934

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	191	5.0	250	4.894	74.4	47	125	0	0		

Sample ID	068029-024AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329D
Client ID:	610-308-S	Batch ID:	17550	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542950

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	392.8	5.0	250	128	106	47	125	0	0		

Sample ID	068029-034AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329D
Client ID:	610-297-0.6	Batch ID:	17550	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542963

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	186.9	5.0	250	3.38	73.4	47	125	0	0		

Sample ID	068029-044AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329E
Client ID:	610-299-S	Batch ID:	17551	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	543448

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	313.1	5.0	250	130.3	73.1	47	125	0	0		

Sample ID	068029-054AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329E
Client ID:	610-292-0.6	Batch ID:	17551	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	543461

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200.7	5.0	250	7.128	77.4	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068029-064AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040330F
Client ID:	610-288-S	Batch ID:	17552	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	543748

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	239.5	5.0	250	69.2	68.1	47	125	0	0		

Sample ID	068029-074AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040330F
Client ID:	610-284-S	Batch ID:	17552	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/30/2004	SeqNo:	543761

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	497.3	5.0	250	350.5	58.7	47	125	0	0		

Sample ID	068029-076AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040331E
Client ID:	610-284-0.6	Batch ID:	17553	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544525

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	271.1	5.0	250	77.34	77.5	47	125	0	0		

Sample ID	068029-004ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329C
Client ID:	610-305-S	Batch ID:	17549	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542920

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	349.3	5.0	0	0	0	0	0	236.9	38.4	20	R

Sample ID	068029-014ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040329C
Client ID:	610-302-0.3	Batch ID:	17549	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	542933

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.855	5.0	0	0	0	0	0	4.894	17.9	20	

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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068029-024ADUP	DUP	6010_SPB	mg/Kg	3/26/2004	ICP5_040329D
Client ID	**Batch ID**	**TestNo**		**Analysis Date**	**SeqNo**
610-308-S	17550	EPA 6010B	(EPA 3050M)	3/29/2004	542949

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	153.7	5.0	0	0	0	0	0	128	18.2	20	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068029-034ADUP	DUP	6010_SPB	mg/Kg	3/26/2004	ICP5_040329D
Client ID	**Batch ID**	**TestNo**		**Analysis Date**	**SeqNo**
610-297-0.6	17550	EPA 6010B	(EPA 3050M)	3/29/2004	542962

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.134	5.0	0	0	0	0	0	3.38	41.2	20	R

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068029-044ADUP	DUP	6010_SPB	mg/Kg	3/26/2004	ICP5_040329E
Client ID	**Batch ID**	**TestNo**		**Analysis Date**	**SeqNo**
610-299-S	17551	EPA 6010B	(EPA 3050M)	3/29/2004	543447

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	137.2	5.0	0	0	0	0	0	130.3	5.17	20	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068029-054ADUP	DUP	6010_SPB	mg/Kg	3/26/2004	ICP5_040329E
Client ID	**Batch ID**	**TestNo**		**Analysis Date**	**SeqNo**
610-292-0.6	17551	EPA 6010B	(EPA 3050M)	3/29/2004	543460

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.874	5.0	0	0	0	0	0	7.128	9.95	20	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068029-064ADUP	DUP	6010_SPB	mg/Kg	3/26/2004	ICP5_040330F
Client ID	**Batch ID**	**TestNo**		**Analysis Date**	**SeqNo**
610-288-S	17552	EPA 6010B	(EPA 3050M)	3/30/2004	543747

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	66.53	5.0	0	0	0	0	0	69.2	3.94	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068029-074ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040330F
Client ID:	610-284-S	Batch ID:	17552	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/30/2004	SeqNo:	543760

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	398.2	5.0	0	0	0	0	0	350.5	12.7	20	

Sample ID	068029-076ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/26/2004	Run ID:	ICP5_040331E
Client ID:	610-284-0.6	Batch ID:	17553	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/31/2004	SeqNo:	544524

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	71.91	5.0	0	0	0	0	0	77.34	7.27	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068029-020ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325F**
Client ID: **610-310-0.3** Batch ID: **R36450** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.28	0.10	0	0	0	0	0	7.28	0	20	

Sample ID **068029-073ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325G**
Client ID: **610-285-S** Batch ID: **R36451** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.91	0.10	0	0	0	0	0	7.95	0.504	20	

Qualifiers:
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H - Sample exceeded holding time

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Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17738	MBLK	7420_ST	mg/L		AA2_040409C
Client ID: ZZZZZ	Batch ID: R36975	TestNo: WET/ EPA 74		Analysis Date: 4/9/2004	SeqNo: 549753

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17738A	MBLK	7420_ST	mg/L		AA2_040409C
Client ID: ZZZZZ	Batch ID: R36975	TestNo: WET/ EPA 74		Analysis Date: 4/9/2004	SeqNo: 549754

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17738B	MBLK	7420_ST	mg/L		AA2_040409C
Client ID: ZZZZZ	Batch ID: R36975	TestNo: WET/ EPA 74		Analysis Date: 4/9/2004	SeqNo: 549768

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17739	MBLK	7420_ST	mg/L		AA2_040409D
Client ID: ZZZZZ	Batch ID: R36976	TestNo: WET/ EPA 74		Analysis Date: 4/9/2004	SeqNo: 549782

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17739A	MBLK	7420_ST	mg/L		AA2_040409D
Client ID: ZZZZZ	Batch ID: R36976	TestNo: WET/ EPA 74		Analysis Date: 4/9/2004	SeqNo: 549783

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

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17739B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409D**
Client ID: **ZZZZZ** Batch ID: **R36976** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549797**

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

Sample ID **MB-17749** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549811**

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

Sample ID **MB-17749A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549812**

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

Sample ID **MB-17749B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549827**

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

Sample ID **LCS-17738** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.036	0.25	5	0	101	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **LCS-17739** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409D**
Client ID: **ZZZZZ** Batch ID: **R36976** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549784**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.142	0.25	5	0	103	80	120	0	0		

Sample ID **LCS-17749** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549813**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.889	0.25	5	0	97.8	80	120	0	0		

Sample ID **068026-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	2.5	5	23.58	78.3	70	130	0	0		

Sample ID **068029-007AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **610-304-S** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.44	1.2	5	9.35	102	70	130	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409D**
Client ID: **610-296-0.3** Batch ID: **R36976** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	67.24	2.5	5	60.64	132	70	130	0	0		S

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068029-052AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409D**
Client ID: **610-292-S** Batch ID: **R36976** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	28.48	2.5	5	23.61	97.4	70	130	0	0		

Sample ID **068029-070AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **610-286-S** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.33	1.2	5	26.61	74.5	70	130	0	0		

Sample ID **068045-010AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50	5	8.459	90.9	70	130	0	0		

Sample ID **068026-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.62	2.5	0	0	0	0	0	23.58	45.9	20	R

Sample ID **068029-007ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **610-304-S** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.95	0.25	0	0	0	0	0	9.35	4.37	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409D**
Client ID: **610-296-0.3** Batch ID: **R36976** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549795**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	62.41	2.5	0	0	0	0	0	60.64	2.86	20	

Sample ID **068029-052ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409D**
Client ID: **610-292-S** Batch ID: **R36976** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549808**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23.46	2.5	0	0	0	0	0	23.61	0.632	20	

Sample ID **068029-070ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **610-286-S** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26.73	1.2	0	0	0	0	0	26.61	0.461	20	

Sample ID **068045-010ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409E**
Client ID: **ZZZZZ** Batch ID: **R36977** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.026	0.25	0	0	0	0	0	8.459	5.26	20	

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17761A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552871**

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

Sample ID **MB-17745A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552872**

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

Sample ID **MB-17761B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552886**

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

Sample ID **MB-17745B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **ZZZZZ** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552887**

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

Sample ID **MB-17762A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553009**

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

Qualifiers:
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17746A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553010

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

Sample ID	MB-17762B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553025

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

Sample ID	MB-17746B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553026

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

Sample ID	LCS-17761	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414G
Client ID:	ZZZZZ	Batch ID:	17761	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552873

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.076	0.25	1	0	108	80	120	0	0		

Sample ID	LCS-17762	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414K
Client ID:	ZZZZZ	Batch ID:	17762	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	553011

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.189	0.25	1	0	119	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068029-019AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **610-310-S** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.135	0.25	2.5	1.354	111	70	130	0	0		

Sample ID **068029-050AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **610-293-S** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.492	0.25	2.5	0.6312	114	70	130	0	0		

Sample ID **068045-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.308	0.25	2.5	0.7553	102	70	130	0	0		

Sample ID **068055-004AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2813	103	70	130	0	0		

Sample ID **068029-019ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **610-310-S** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.299	0.25	0	0	0	0	0	1.354	4.10	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068029-050ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414G**
Client ID: **610-293-S** Batch ID: **17761** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.643	0.25	0	0	0	0	0	0.6312	1.85	20	

Sample ID **068045-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7348	0.25	0	0	0	0	0	0.7553	2.75	20	

Sample ID **068055-004ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414K**
Client ID: **ZZZZZ** Batch ID: **17762** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **553037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2927	0.25	0	0	0	0	0	0.2813	3.97	20	

Qualifiers:
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Date: *21-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550713**

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

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.62	2.0	50	0	89.2	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.59	1.0	50	0	89.2	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	45.66	1.0	50	0	91.3	80	120	0	0		
Cadmium	44.74	1.0	50	0	89.5	80	120	0	0		
Chromium	47.65	1.0	50	0	95.3	80	120	0	0		
Cobalt	45.91	1.0	50	0	91.8	80	120	0	0		
Copper	47.05	2.0	50	0	94.1	80	120	0	0		
Lead	46.9	1.0	50	0	93.8	80	120	0	0		
Molybdenum	45.93	1.0	50	0	91.9	80	120	0	0		
Nickel	45.09	1.0	50	0	90.2	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	54.6	1.0	50	0	109	80	120	0	0		
Thallium	49.32	1.0	50	0	98.6	80	120	0	0		
Vanadium	44.44	1.0	50	0	88.9	80	120	0	0		
Zinc	44.88	1.0	50	0	89.8	80	120	0	0		

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.24	1.0	50	0	94.5	80	120	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77	2.0	125	0	61.6	23	118	0	0		
Arsenic	110	1.0	125	5.84	83.3	64	111	0	0		
Barium	273.5	1.0	125	158.5	92	36	146	0	0		
Beryllium	101.5	1.0	125	0	81.2	50	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	2.035	75.6	62	107	0	0		
Chromium	145.5	1.0	125	40.94	83.6	63	119	0	0		
Cobalt	112	1.0	125	8.03	83.2	63	111	0	0		
Copper	175.5	2.0	125	53.55	97.6	58	136	0	0		
Lead	965	1.0	125	806	127	47	125	0	0		S
Molybdenum	111	1.0	125	3.235	86.2	63	116	0	0		
Nickel	127.5	1.0	125	25.73	81.4	57	116	0	0		
Selenium	89.5	1.0	125	0	71.6	47	118	0	0		
Silver	136	1.0	125	0	109	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	138.5	1.0	125	35.66	82.3	65	122	0	0		
Zinc	330	1.0	125	236.1	75.1	36	140	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	799.3	1.0	125	627.5	137	47	125	0	0		S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.5	2.0	125	0	62	23	118	77	0.647	20	
Arsenic	109.5	1.0	125	5.84	82.9	64	111	110	0.456	20	
Barium	265	1.0	125	158.5	85.2	36	146	273.5	3.16	20	
Beryllium	100	1.0	125	0	80	50	120	101.5	1.49	20	
Cadmium	94.5	1.0	125	2.035	74	62	107	96.5	2.09	20	
Chromium	152.5	1.0	125	40.94	89.2	63	119	145.5	4.70	20	
Cobalt	110	1.0	125	8.03	81.6	63	111	112	1.80	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	166.5	2.0	125	53.55	90.4	58	136	175.5	5.26	20	
Lead	909.5	1.0	125	806	82.8	47	125	965	5.92	20	
Molybdenum	108.5	1.0	125	3.235	84.2	63	116	111	2.28	20	
Nickel	125	1.0	125	25.73	79.4	57	116	127.5	1.98	20	
Selenium	89	1.0	125	0	71.2	47	118	89.5	0.560	20	
Silver	129	1.0	125	0	103	48	125	136	5.28	20	
Thallium	108.5	1.0	125	0	86.8	49	116	111	2.28	20	
Vanadium	138.5	1.0	125	35.66	82.3	65	122	138.5	0	20	
Zinc	302.5	1.0	125	236.1	53.1	36	140	330	8.70	20	

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	743.7	1.0	125	627.5	92.9	47	125	799.3	7.21	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	5.34	1.0	0	0	0	0	0	5.84	8.94	20	
Barium	141	1.0	0	0	0	0	0	158.5	11.7	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	1.19	1.0	0	0	0	0	0	2.035	52.4	20	R
Chromium	28.28	1.0	0	0	0	0	0	40.94	36.6	20	R
Cobalt	9.255	1.0	0	0	0	0	0	8.03	14.2	20	
Copper	62.3	2.0	0	0	0	0	0	53.55	15.1	20	
Lead	650.5	1.0	0	0	0	0	0	806	21.4	20	R
Molybdenum	2.6	1.0	0	0	0	0	0	3.235	21.8	20	R

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Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	26.62	1.0	0	0	0	0	0	25.73	3.42	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.2	1.0	0	0	0	0	0	35.66	1.28	20	
Zinc	209.7	1.0	0	0	0	0	0	236.1	11.8	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **610-296-0.3** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	541.2	1.0	0	0	0	0	0	627.5	14.8	20	

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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17771** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549051**

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

Sample ID **LCS-17771** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.093	0.10	2.08	0	101	80	120	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8874	0.10	0.83	0	107	62	146	0	0		

Sample ID **067988-040AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9765	0.10	0.83	0	118	62	146	0.8874	9.57	30	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408D**
Client ID: **ZZZZZ** Batch ID: **17771** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

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H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17837	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419F
Client ID:	ZZZZZ	Batch ID:	R37281	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554901

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

Sample ID	MB-17837A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419F
Client ID:	ZZZZZ	Batch ID:	R37281	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554902

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

Sample ID	MB-17837B	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419F
Client ID:	ZZZZZ	Batch ID:	R37281	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554916

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

Sample ID	MB-17838	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419G
Client ID:	ZZZZZ	Batch ID:	R37284	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554930

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

Sample ID	MB-17838A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040419G
Client ID:	ZZZZZ	Batch ID:	R37284	TestNo:	WET DI/ EPA			Analysis Date:	4/19/2004	SeqNo:	554931

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

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H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17838B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419G**
Client ID: **ZZZZZ** Batch ID: **R37284** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554953**

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

Sample ID **MB-17839** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554992**

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

Sample ID **MB-17839A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554993**

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

Sample ID **MB-17839B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555008**

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

Sample ID **LCS-17837** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.02	0.25	5	0	100	80	120	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068029
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **LCS-17838** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419G**
Client ID: **ZZZZZ** Batch ID: **R37284** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554933**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.083	0.25	5	0	102	80	120	0	0		

Sample ID **LCS-17839** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.108	0.25	5	0	102	80	120	0	0		

Sample ID **068028-002AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.87	0.25	5	2.621	105	70	130	0	0		

Sample ID **068029-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **610-306-S** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.302	0.25	5	0	106	70	130	0	0		

Sample ID **068029-035AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419G**
Client ID: **610-296-S** Batch ID: **R37284** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.493	0.25	5	0.2815	104	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068029-055AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419G**
Client ID: **610-291-S** Batch ID: **R37284** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.28	0.25	5	0	106	70	130	0	0		

Sample ID **068045-008AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.372	0.25	5	0	107	70	130	0	0		

Sample ID **068046-005AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.368	0.25	5	0.1359	105	70	130	0	0		

Sample ID **068028-002ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.187	0.25	0	0	0	0	0	2.621	18.1	20	

Sample ID **068029-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **610-306-S** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068029-055ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419G**
Client ID: **610-291-S** Batch ID: **R37284** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068045-008ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068046-005ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419H**
Client ID: **ZZZZZ** Batch ID: **R37285** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1359	0	20	

Sample ID **068029-035ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419G**
Client ID: **610-296-S** Batch ID: **R37284** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2815	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: 12
EA129411 - ~~BRIDGE~~

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
W8029-001	610- 306-5		3/23	9:30	soil	1	
-002	610- 306-0.3			9:33			
-003	610- 306-0.6			9:36			
-004	610- 305-5			9:30			
-005	610- 305-0.3			9:34			
-006	610- 305-0.6			9:38			
-007	610- 304-5			9:40			
-008	610- 304-0.3			9:43			
-009	610- 304-0.6			9:46			
-010	610- 303-5			9:43			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF

CLIENT: Geocon Burbank
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
060029-011	610- 303-0.3		3/23	9:46	soil	1	
- 012	610- 303-0.6			9:50			
- 013	610- 302-5			9:43			
- 014	610- 302-0.3			9:47			
- 015	610- 302-0.6			9:50			
- 016	610- 301-5			9:56			
- 017	610- 301-0.3			9:59			
- 018	610- 301-0.6			10:01			
- 019	610- 310-5			10:29			
- 020	610- 310-0.3			10:32			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 3 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0608029-021	610- 309-S		3/22	10:31	soil	1	
-022	610- 309-0.3			10:34			
-023	610- 309-0.6			10:39			
-024	610- 308-S			10:24			
-025	610- 308-0.3			10:29			
-026	610- 307-S			10:43			
-027	610- 307-0.3			10:50			
-028	610- 307-0.6			10:53			
-029	610- 298-S			1:28			
-030	610- 298-0.3			1:31			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 4 OF

CLIENT: Geocon Burbank
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PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068034-031	610-298-0.6		3/23	1:35	soil	1	
-032	610-297-5			11:46			
-033	610-297-0.3			11:50			
-034	610-297-0.6			11:53			
-035	610-296-5			11:45			
-036	610-296-0.3			11:49			
-037	610-296-0.6			11:53			
-038	610-295-5			11:45			
-039	610-295-0.3			11:47			
-040	610-295-0.6			11:51			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-23-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-23-04	Time: 8:30a
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 5 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403779-001	610- 300-S		3/23	1:25	soil	1	
- 002	610- 300-0.3			1:27			
- 003	610- 300-0.6			1:31			
- 004	610- 299-S			1:25			
- 005	610- 299-0.3			1:27			
- 006	610- 299-0.6			1:33			
- 007	610- 294-S			2:08			
- 008	610- 294-0.3			2:13			
- 009	610- 294-0.6			2:16			
- 010	610- 293-S			2:42			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 6 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068029-051	610-293-0.3		2/23	2:48	soil	1	
- 052	610-292-S			2:40			
- 053	610-292-0.3			2:43			
- 054	610-292-0.6			2:47			
- 055	610-291-S			2:40			
- 056	610-291-0.3			2:47			
- 057	610-291-0.6			2:50			
- 058	610-290-S			3:05			
- 059	610-290-0.3			3:08			
- 060	610-290-0.6			3:10			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 7 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068029-061	610-289-S		2/23	3:05	soil	1	
- 062	610-289-0.3			3:09			
- 063	610-289-0.6			3:12			
- 064	610-288-S			3:05			
- 065	610-288-0.3			3:08			
- 066	610-288-0.6			3:12			
- 067	610-287-S			3:29			
- 068	610-287-0.3			3:33			
- 069	610-287-0.6			3:36			
- 070	610-286-S			3:27			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 8 OF 8

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403226-071	610- 286 - 0.3		3/23	3:27	soil	1	
- 072	610- 286 - 0.6			3:31			
- 073	610- 285 - 5			3:25			
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00
[signature]	[signature]	3-23-04	5:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
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CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 8 OF 8

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME/NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S) (SIGNATURE):
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 15 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL / /

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
	610- 286-0.3		3/23	3:27	soil	1	X
	610- 286-0.6			3:50			
	610- 285-5			3:25			
	610- 284-5			3:30			
	610- 284-0.3			3:40			
	610- 284-0.6			3:43			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00
[signature]	[signature]	3-23-04	5:30p

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067991

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-001A	610-312-S	870	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067991-002A	610-312-0.3	370	mg/Kg	17524	5	1	3/22/2004	3/26/2004
067991-003A	610-312-0.6	90	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-004A	610-312-1.5	11	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-005A	610-314-S	130	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-006A	610-314-0.3	9.7	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-007A	610-314-0.6	6.2	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-008A	610-314-1.5	ND	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-009A	610-313-S	190	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-010A	610-313-0.3	12	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-011A	610-313-0.6	5.5	mg/Kg	17525	5	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-012A	610-313-1.5	15	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-013A	610-311-S	12	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-014A	610-311-0.3	8.5	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-015A	610-311-0.6	12	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-016A	610-311-1.5	15	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-017A	610-315-S	30	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-018A	610-315-0.3	6.9	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-019A	610-315-0.6	ND	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-020A	610-315-1.5	ND	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-021A	610-316-S	70	mg/Kg	17525	5	1	3/22/2004	3/26/2004
067991-022A	610-316-0.3	27	mg/Kg	17525	5	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-023A	610-316-0.6	35	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-024A	610-317-S	26	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-025A	610-317-0.3	5.4	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-026A	610-317-0.6	5.7	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-027A	610-317-1.5	11	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-028A	610-318-S	17	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-029A	610-318-0.3	13	mg/Kg	17526	5	1	3/22/2004	3/26/2004
067991-030A	610-318-0.6	6.2	mg/Kg	17526	5	1	3/22/2004	3/26/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-007A	610-314-0.6	8.00	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067991-014A	610-311-0.3	8.16	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067991-021A	610-316-S	8.05	pH Units	R36430	0.1	1	3/22/2004	3/25/2004
067991-028A	610-318-S	7.36	pH Units	R36430	0.1	1	3/22/2004	3/25/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-001A	610-312-S	62	mg/L	R36830	2.5	10	3/22/2004	4/6/2004
067991-002A	610-312-0.3	40	mg/L	R36830	1.2	5	3/22/2004	4/6/2004
067991-003A	610-312-0.6	5.1	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067991-005A	610-314-S	7.9	mg/L	R36830	0.25	1	3/22/2004	4/6/2004
067991-009A	610-313-S	12	mg/L	R36830	0.5	2	3/22/2004	4/6/2004
067991-021A	610-316-S	4.3	mg/L	R36830	0.25	1	3/22/2004	4/6/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-001A	610-312-S	2.0	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-002A	610-312-0.3	0.78	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-003A	610-312-0.6	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-005A	610-314-S	0.40	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-009A	610-313-S	0.47	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-017A	610-315-S	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-021A	610-316-S	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004
067991-023A	610-316-0.6	ND	mg/L	17714	0.25	1	3/22/2004	4/5/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-312-S
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	3.0	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	130	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	24	1.0		mg/Kg	1	4/5/2004
Cobalt	8.0	1.0		mg/Kg	1	4/5/2004
Copper	68	1.0		mg/Kg	1	4/5/2004
Lead	610	1.0		mg/Kg	1	4/5/2004
Molybdenum	1.6	1.0		mg/Kg	1	4/5/2004
Nickel	21	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	30	1.0		mg/Kg	1	4/5/2004
Zinc	260	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	0.14	0.10		mg/Kg	1	4/4/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-312-0.3
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-002A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	1.6	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	140	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	1.9	1.0		mg/Kg	1	4/5/2004
Chromium	25	1.0		mg/Kg	1	4/5/2004
Cobalt	7.5	1.0		mg/Kg	1	4/5/2004
Copper	85	1.0		mg/Kg	1	4/5/2004
Lead	340	1.0		mg/Kg	1	4/5/2004
Molybdenum	2.4	1.0		mg/Kg	1	4/5/2004
Nickel	20	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	27	1.0		mg/Kg	1	4/5/2004
Zinc	270	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401D	QC Batch: 17669			PrepDate	4/1/2004	Analyst: **JT**
Mercury	0.19	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067991
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067991-001A	610-312-S	1.0	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067991-002A	610-312-0.3	0.35	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067991-003A	610-312-0.6	ND	mg/L	R37151	0.25	1	3/22/2004	4/14/2004
067991-005A	610-314-S	ND	mg/L	R37193	0.25	1	3/22/2004	4/16/2004
067991-009A	610-313-S	ND	mg/L	R37193	0.25	1	3/22/2004	4/16/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17524A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541609**

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

Sample ID **MB-17524B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.6254	5.0									J

Sample ID **MB-17525A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326C**
Client ID: **ZZZZZ** Batch ID: **17525** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541637**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.148	5.0									J

Sample ID **MB-17525B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326C**
Client ID: **ZZZZZ** Batch ID: **17525** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541651**

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

Sample ID **MB-17526A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326D**
Client ID: **ZZZZZ** Batch ID: **17526** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541666**

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

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17524** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251.2	5.0	250	0	100	80	120	0	0		

Sample ID **LCS-17525** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326C**
Client ID: **ZZZZZ** Batch ID: **17525** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541638**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.8	5.0	250	0	102	80	120	0	0		

Sample ID **LCS-17526** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326D**
Client ID: **ZZZZZ** Batch ID: **17526** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541668**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	244.9	5.0	250	0	97.9	80	120	0	0		

Sample ID **067990-018AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541622**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	299.1	5.0	250	122.4	70.7	47	125	0	0		

Sample ID **067991-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **610-312-0.3** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	536.5	5.0	250	365.8	68.3	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067991-012AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326C**
Client ID: **610-313-1.5** Batch ID: **17525** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	192.2	5.0	250	15.06	70.9	47	125	0	0		

Sample ID **067991-022AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326C**
Client ID: **610-316-0.3** Batch ID: **17525** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541663**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.7	5.0	250	26.7	73.6	47	125	0	0		

Sample ID **067991-030AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326D**
Client ID: **610-318-0.6** Batch ID: **17526** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541681**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	171.5	5.0	250	6.211	66.1	47	125	0	0		

Sample ID **067990-018ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **ZZZZZ** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	288.7	5.0	0	0	0	0	0	122.4	80.9	20	R

Sample ID **067991-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/24/2004** Run ID: **ICP5_040326B**
Client ID: **610-312-0.3** Batch ID: **17524** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/26/2004** SeqNo: **541634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	373.5	5.0	0	0	0	0	0	365.8	2.10	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	067991-012ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040326C
Client ID:	610-313-1.5	Batch ID:	17525	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/26/2004	SeqNo:	541649

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.4	5.0	0	0	0	0	0	15.06	20.0	20	

Sample ID	067991-022ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040326C
Client ID:	610-316-0.3	Batch ID:	17525	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/26/2004	SeqNo:	541662

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	33.27	5.0	0	0	0	0	0	26.7	21.9	20	R

Sample ID	067991-030ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/24/2004	Run ID:	ICP5_040326D
Client ID:	610-318-0.6	Batch ID:	17526	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/26/2004	SeqNo:	541680

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.221	5.0	0	0	0	0	0	6.211	17.3	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067991-028ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325B**
Client ID: **610-318-S** Batch ID: **R36430** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.46	0.10	0	0	0	0	0	7.36	1.35	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17655** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547498**

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

Sample ID **MB-17655A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17655B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547527**

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

Sample ID **LCS-17655** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547526**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.075	0.25	5	0	102	80	120	0	0		

Sample ID **067990-016AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.62	0.50	5	14.21	108	70	130	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068017-003AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.29	0.50	5	6.737	131	70	130	0	0		S

Sample ID **067990-016ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.11	0.50	0	0	0	0	0	14.21	16.0	20	

Sample ID **068017-003ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547523**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.143	0.25	0	0	0	0	0	6.737	26.8	20	R

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Date: *09-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17714A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547335**

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

Sample ID **MB-17714B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547336**

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

Sample ID **MB-17692A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547337**

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

Sample ID **MB-17692B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547338**

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

Sample ID **LCS-17714** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067991-017AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **610-315-S** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Sample ID **067991-017ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **610-315-S** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1037	0	20	

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2055	0	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17695** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546997**

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

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17669** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545033**

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

Sample ID **MB-17683** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546498**

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

Sample ID **LCS-17669** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.708	0.10	2.08	0	82.1	80	120	0	0		

Sample ID **LCS-17683** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.08	0.10	2.08	0	100	80	120	0	0		

Sample ID **067964-005AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.772	0.10	0.83	0.1528	74.6	62	146	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **067991-001AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **610-312-S** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.217	0.10	0.83	0.1425	129	62	146	0	0		

Sample ID **067964-005AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7803	0.10	0.83	0.1528	75.6	62	146	0.772	1.07	30	

Sample ID **067991-001AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **610-312-S** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.215	0.10	0.83	0.1425	129	62	146	1.217	0.137	30	

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401D**
Client ID: **ZZZZZ** Batch ID: **17669** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1685	0.10	0	0	0	0	0	0.1528	9.74	30	

Sample ID **067991-001ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **610-312-S** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.195	0.10	0	0	0	0	0	0.1425	31.1	30	R

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17818** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552812**

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

Sample ID **MB-17818A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552813**

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

Sample ID **MB-17818B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552827**

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

Sample ID **MB-17819** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553612**

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

Sample ID **MB-17819A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553615**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17819B	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416B
Client ID:	ZZZZZ	Batch ID:	R37193	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553645

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

Sample ID	LCS-17818	SampType:	lcs	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414E
Client ID:	ZZZZZ	Batch ID:	R37151	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552814

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.242	0.25	5	0	105	80	120	0	0		

Sample ID	LCS17819	SampType:	lcs	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416B
Client ID:	ZZZZZ	Batch ID:	R37193	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553618

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.085	0.25	5	0	102	80	120	0	0		

Sample ID	067989-042AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414E
Client ID:	ZZZZZ	Batch ID:	R37151	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552826

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.581	0.25	5	0.2414	107	70	130	0	0		

Sample ID	067991-003AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414E
Client ID:	610-312-0.6	Batch ID:	R37151	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552839

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.576	0.25	5	0.2245	107	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068018-007AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.447	0.25	5	0.3197	103	70	130	0	0		

Sample ID **068021-026AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.294	0.25	5	3.366	98.6	70	130	0	0		

Sample ID **067989-042ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **ZZZZZ** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2609	0.25	0	0	0	0	0	0.2414	7.76	20	

Sample ID **067991-003ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414E**
Client ID: **610-312-0.6** Batch ID: **R37151** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2245	0	20	

Sample ID **068018-007ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2775	0.25	0	0	0	0	0	0.3197	14.1	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068021-026ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553667**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.688	0.25	0	0	0	0	0	3.366	22.4	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067991 - 001	610-312-S		3/22	1141	soil	1	X
- 002	610-312-0.3			1143			
- 003	610-312-0.6			1145			
- 004	610-312-1.5			1149			
- 005	610-314-S			1142			
- 006	610-314-0.3			1144			
- 007	610-314-0.6			1150			
- 008	610-314-1.5			1155			
- 009	610-313-S			1339			
- 010	610-313-0.3			1340			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-22-04	5:15p
[signature]	[signature] 032304	3-22-04	9:45p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 2 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067991-011	610-313-0.6		3/22/04	1343	soil	1	X
-012	610-313-1.5			1348			
-013	610-311-S			1357			
-014	610-311-0.3			1400			
-015	610-311-0.6			1412			
-016	610-311-1.5			1417			
-017	610-315-S			1448			
-018	610-315-0.3			1457			
-019	610-315-0.6			1453			
-020	610-315-1.5			1501			

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-22-04	Time: 5:15p
Relinquished by: (Signature)	Received by: (Signature) 032304	Date: 3-22-04	Time: 9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 3 OF 3

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0404-021	610-316-S		3/22/04	1448	soil	1	X
-022	610-316-0.3			1457			
-023	610-316-0.6			1455			
-024	610-317-S			1517			
-025	610-317-0.3			1521			
-026	610-317-0.6			1524			
-027	610-317-1.5			1528			
-028	610-318-S			1517			
-029	610-318-0.3			1521			
-030	610-318-0.6			1524			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	9:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 30, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067991

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-312-S
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
PH						
				EPA 9045C		
RunID: WETCHEM_040429A	QC Batch: R37567			PrepDate		Analyst: **MJM**
pH	8.22	0.10	H	pH Units	1	4/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-312-0.3
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-002A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
PH						
				EPA 9045C		
RunID: WETCHEM_040429A	QC Batch: R37567			PrepDate		Analyst: **MJM**
pH	8.30	0.10	H	pH Units	1	4/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-315-S
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-017A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
PH						
			EPA 9045C			
RunID: WETCHEM_040429A	QC Batch: R37567			PrepDate		Analyst: **MJM**
pH	8.29	0.10	H	pH Units	1	4/29/2004

Qualifiers:

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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-316-S
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-021A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040429C	QC Batch: 18033			PrepDate	4/27/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/29/2004
Arsenic	4.9	1.0		mg/Kg	1	4/29/2004
Barium	64	1.0		mg/Kg	1	4/29/2004
Beryllium	ND	1.0		mg/Kg	1	4/29/2004
Cadmium	ND	1.0		mg/Kg	1	4/29/2004
Chromium	14	1.0		mg/Kg	1	4/29/2004
Cobalt	7.0	1.0		mg/Kg	1	4/29/2004
Copper	35	1.0		mg/Kg	1	4/29/2004
Lead	47	1.0		mg/Kg	1	4/29/2004
Molybdenum	1.7	1.0		mg/Kg	1	4/29/2004
Nickel	12	1.0		mg/Kg	1	4/29/2004
Selenium	ND	1.0		mg/Kg	1	4/29/2004
Silver	ND	1.0		mg/Kg	1	4/29/2004
Thallium	ND	1.0		mg/Kg	1	4/29/2004
Vanadium	27	1.0		mg/Kg	1	4/29/2004
Zinc	68	1.0		mg/Kg	1	4/29/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040429A	QC Batch: 18065			PrepDate	4/29/2004	Analyst: **JT**
Mercury	ND	0.10	H	mg/Kg	1	4/29/2004

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Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-316-0.3
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-022A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION BY TCLP (EPA 3010A)				**EPA 1311/ 7420**		
RunID: AA2_040429B	QC Batch: 18051				PrepDate 4/28/2004	Analyst: **NS**
Lead	ND	0.25		mg/L	1	4/29/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-316-0.6
Lab Order:	067991		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/22/2004
Lab ID:	067991-023A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040429C	QC Batch: 18033			PrepDate	4/27/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/29/2004
Arsenic	4.6	1.0		mg/Kg	1	4/29/2004
Barium	59	1.0		mg/Kg	1	4/29/2004
Beryllium	ND	1.0		mg/Kg	1	4/29/2004
Cadmium	ND	1.0		mg/Kg	1	4/29/2004
Chromium	14	1.0		mg/Kg	1	4/29/2004
Cobalt	7.4	1.0		mg/Kg	1	4/29/2004
Copper	16	1.0		mg/Kg	1	4/29/2004
Lead	43	1.0		mg/Kg	1	4/29/2004
Molybdenum	ND	1.0		mg/Kg	1	4/29/2004
Nickel	12	1.0		mg/Kg	1	4/29/2004
Selenium	ND	1.0		mg/Kg	1	4/29/2004
Silver	ND	1.0		mg/Kg	1	4/29/2004
Thallium	ND	1.0		mg/Kg	1	4/29/2004
Vanadium	28	1.0		mg/Kg	1	4/29/2004
Zinc	40	1.0		mg/Kg	1	4/29/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040429A	QC Batch: 18065			PrepDate	4/29/2004	Analyst: **JT**
Mercury	ND	0.10	H	mg/Kg	1	4/29/2004
PH						
				EPA 9045C		
RunID: WETCHEM_040429A	QC Batch: R37567			PrepDate		Analyst: **MJM**
pH	8.43	0.10	H	pH Units	1	4/29/2004

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Advanced Technology Laboratories

Date: *30-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17695	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/2/2004	Run ID:	ICP5_040405D
Client ID:	ZZZZZ	Batch ID:	17695	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/5/2004	SeqNo:	546997

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

Sample ID	MB-18033	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/27/2004	Run ID:	ICP2_040429C
Client ID:	ZZZZZ	Batch ID:	18033	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/29/2004	SeqNo:	558496

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									

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S - Spike Recovery outside accepted recovery limits
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DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-18033	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/27/2004	Run ID:	ICP2_040429C
Client ID:	ZZZZZ	Batch ID:	18033	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/29/2004	SeqNo:	558496

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID	LCS-17695	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	4/2/2004	Run ID:	ICP5_040405D
Client ID:	ZZZZZ	Batch ID:	17695	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/5/2004	SeqNo:	546998

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-18033** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/27/2004** Run ID: **ICP2_040429C**
Client ID: **ZZZZZ** Batch ID: **18033** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/29/2004** SeqNo: **558497**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	51	2.0	50	0	102	80	120	0	0		
Arsenic	51.5	1.0	50	0	103	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	50.5	1.0	50	0	101	80	120	0	0		
Cadmium	50	1.0	50	0	100	80	120	0	0		
Chromium	49	1.0	50	0	98	80	120	0	0		
Cobalt	50.5	1.0	50	0	101	80	120	0	0		
Copper	52	2.0	50	0	104	80	120	0	0		
Lead	50.5	1.0	50	0	101	80	120	0	0		
Molybdenum	50.5	1.0	50	0	101	80	120	0	0		
Nickel	50	1.0	50	0	100	80	120	0	0		
Selenium	51.5	1.0	50	0	103	80	120	0	0		
Silver	54.5	1.0	50	0	109	80	120	0	0		
Thallium	51.5	1.0	50	0	103	80	120	0	0		
Vanadium	52	1.0	50	0	104	80	120	0	0		
Zinc	49.5	1.0	50	0	99	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

Sample ID **067991-021AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/27/2004** Run ID: **ICP2_040429C**
Client ID: **610-316-S** Batch ID: **18033** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/29/2004** SeqNo: **558505**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46	2.0	125	0	36.8	23	118	0	0		
Arsenic	64	1.0	125	4.865	47.3	64	111	0	0		S
Barium	90	1.0	125	64.35	20.5	36	146	0	0		S
Beryllium	56	1.0	125	0	44.8	50	120	0	0		S
Cadmium	54.5	1.0	125	0	43.6	62	107	0	0		S
Chromium	64.5	1.0	125	14.33	40.1	63	119	0	0		S
Cobalt	63	1.0	125	7.025	44.8	63	111	0	0		S
Copper	81.5	2.0	125	34.88	37.3	58	136	0	0		S
Lead	87.5	1.0	125	46.74	32.6	47	125	0	0		S
Molybdenum	59.5	1.0	125	1.71	46.2	63	116	0	0		S
Nickel	63	1.0	125	12.14	40.7	57	116	0	0		S
Selenium	54	1.0	125	0	43.2	47	118	0	0		S
Silver	70	1.0	125	0	56	48	125	0	0		
Thallium	57.5	1.0	125	0	46	49	116	0	0		S
Vanadium	80.5	1.0	125	26.74	43	65	122	0	0		S
Zinc	96.5	1.0	125	68	22.8	36	140	0	0		S

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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **067991-021AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/27/2004** Run ID: **ICP2_040429C**
Client ID: **610-316-S** Batch ID: **18033** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/29/2004** SeqNo: **558506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	49.5	2.0	125	0	39.6	23	118	46	7.33	20	
Arsenic	69.5	1.0	125	4.865	51.7	64	111	64	8.24	20	S
Barium	100.5	1.0	125	64.35	28.9	36	146	90	11.0	20	S
Beryllium	60	1.0	125	0	48	50	120	56	6.90	20	S
Cadmium	58	1.0	125	0	46.4	62	107	54.5	6.22	20	S
Chromium	72.5	1.0	125	14.33	46.5	63	119	64.5	11.7	20	S
Cobalt	69	1.0	125	7.025	49.6	63	111	63	9.09	20	S
Copper	90.5	2.0	125	34.88	44.5	58	136	81.5	10.5	20	S
Lead	100	1.0	125	46.74	42.6	47	125	87.5	13.3	20	S

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067991-021AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/27/2004** Run ID: **ICP2_040429C**
Client ID: **610-316-S** Batch ID: **18033** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/29/2004** SeqNo: **558506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	65	1.0	125	1.71	50.6	63	116	59.5	8.84	20	S
Nickel	75.5	1.0	125	12.14	50.7	57	116	63	18.1	20	S
Selenium	59.5	1.0	125	0	47.6	47	118	54	9.69	20	
Silver	76	1.0	125	0	60.8	48	125	70	8.22	20	
Thallium	62	1.0	125	0	49.6	49	116	57.5	7.53	20	
Vanadium	86.5	1.0	125	26.74	47.8	65	122	80.5	7.19	20	S
Zinc	109.5	1.0	125	68	33.2	36	140	96.5	12.6	20	S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067991-021ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/27/2004** Run ID: **ICP2_040429C**
Client ID: **610-316-S** Batch ID: **18033** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/29/2004** SeqNo: **558504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	4.79	1.0	0	0	0	0	0	4.865	1.55	20	
Barium	61.95	1.0	0	0	0	0	0	64.35	3.80	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	0.705	1.0	0	0	0	0	0	0	0	20	J
Chromium	14.53	1.0	0	0	0	0	0	14.33	1.35	20	
Cobalt	7.44	1.0	0	0	0	0	0	7.025	5.74	20	
Copper	34.08	2.0	0	0	0	0	0	34.88	2.32	20	
Lead	60.4	1.0	0	0	0	0	0	46.74	25.5	20	R
Molybdenum	1.345	1.0	0	0	0	0	0	1.71	23.9	20	R
Nickel	12.34	1.0	0	0	0	0	0	12.14	1.55	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	27.48	1.0	0	0	0	0	0	26.74	2.77	20	
Zinc	69.6	1.0	0	0	0	0	0	68	2.33	20	

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Calculations are based on raw values
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17714A	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547335

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

Sample ID	MB-17714B	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547336

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.06776	0.25									J

Sample ID	MB-17692A TCLP	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547337

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

Sample ID	MB-17692B TCLP	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547338

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

Sample ID	MB-18051A	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/28/2004	Run ID: AA2_040429B
Client ID:	ZZZZZ	Batch ID: 18051	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/29/2004	SeqNo: 558656

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.06255	0.25									J

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-18038A TCLP	SampType: MBLK	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/28/2004	Run ID: AA2_040429B
Client ID:	ZZZZZ	Batch ID: 18051	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/29/2004	SeqNo: 558657

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

Sample ID	LCS-17714	SampType: LCS	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/5/2004	SeqNo: 547339

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

Sample ID	LCS-18051	SampType: LCS	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/28/2004	Run ID: AA2_040429B
Client ID:	ZZZZZ	Batch ID: 18051	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/29/2004	SeqNo: 558658

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.166	0.25	1	0	117	80	120	0	0		

Sample ID	067991-017AMS	SampType: MS	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	610-315-S	Batch ID: 17714	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/5/2004	SeqNo: 547351

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID	068020-002AMS	SampType: MS	TestCode: 7420_TC	Units: mg/L	Prep Date: 4/5/2004	Run ID: AA2_040405C
Client ID:	ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/5/2004	SeqNo: 547363

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067287-053AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/28/2004** Run ID: **AA2_040429B**
Client ID: **ZZZZZ** Batch ID: **18051** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/29/2004** SeqNo: **558662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.879	0.25	2.5	4.585	91.8	70	130	0	0		

Sample ID **067991-017ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **610-315-S** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.1091	0.25	0	0	0	0	0	0.1037	0	20	J

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2491	0.25	0	0	0	0	0	0.2055	0	20	J

Sample ID **067287-053ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/28/2004** Run ID: **AA2_040429B**
Client ID: **ZZZZZ** Batch ID: **18051** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/29/2004** SeqNo: **558661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.855	0.25	0	0	0	0	0	4.585	17.3	20	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067991
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID	067991-028ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/25/2004	Run ID:	WETCHEM_040325B
Client ID:	610-318-S	Batch ID:	R36430	TestNo:	EPA 9045C			Analysis Date:	3/25/2004	SeqNo:	540674

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.46	0.10	0	0	0	0	0	7.36	1.35	20	

Sample ID	067991-023ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:		Run ID:	WETCHEM_040429A
Client ID:	610-316-0.6	Batch ID:	R37567	TestNo:	EPA 9045C			Analysis Date:	4/29/2004	SeqNo:	558463

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.46	0.10	0	0	0	0	0	8.43	0.355	20	H

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068090

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068090
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068090-001A	610-319-S	510	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-002A	610-319-0.3	24	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-003A	610-319-0.6	38	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-004A	610-319-1.5	ND	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-005A	610-320-S	31	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-006A	610-320-0.3	ND	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-007A	610-320-0.6	ND	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-008A	610-320-1.5	12	mg/Kg	17634	5	1	3/25/2004	4/3/2004
068090-009A	610-321-S	29	mg/Kg	17635	5	1	3/25/2004	4/3/2004
068090-010A	610-321-0.3	29	mg/Kg	17635	5	1	3/25/2004	4/3/2004
068090-011A	610-321-0.6	22	mg/Kg	17635	5	1	3/25/2004	4/3/2004

Qualifiers:

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B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068090
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068090-012A	610-321-1.5	32	mg/Kg	17635	5	1	3/25/2004	4/3/2004
068090-013A	610-322-S	100	mg/Kg	17635	5	1	3/25/2004	4/3/2004
068090-014A	610-322-0.3	45	mg/Kg	17635	5	1	3/25/2004	4/3/2004
068090-015A	610-322-0.6	ND	mg/Kg	17635	5	1	3/25/2004	4/3/2004
068090-016A	610-322-1.5	ND	mg/Kg	17635	5	1	3/25/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068090
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068090-001A	610-319-S	8.46	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068090-005A	610-320-S	8.55	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068090-011A	610-321-0.6	8.91	pH Units	R36510	0.1	1	3/25/2004	3/26/2004
068090-016A	610-322-1.5	7.77	pH Units	R36511	0.1	1	3/25/2004	3/26/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068090
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068090-001A	610-319-S	35	mg/L	R37160	1.2	5	3/25/2004	4/14/2004
068090-013A	610-322-S	8.4	mg/L	R37160	0.25	1	3/25/2004	4/14/2004

Qualifiers:

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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068090
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068090-001A	610-319-S	2.1	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068090-003A	610-319-0.6	ND	mg/L	17808	0.25	1	3/25/2004	4/16/2004
068090-013A	610-322-S	0.26	mg/L	17809	0.25	1	3/25/2004	4/16/2004
068090-014A	610-322-0.3	2.7	mg/L	17809	0.25	1	3/25/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-319-S
Lab Order:	068090		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068090-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040413F	QC Batch: 17805			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/13/2004
Arsenic	ND	1.0		mg/Kg	1	4/13/2004
Barium	190	1.0		mg/Kg	1	4/13/2004
Beryllium	ND	1.0		mg/Kg	1	4/13/2004
Cadmium	ND	1.0		mg/Kg	1	4/13/2004
Chromium	23	1.0		mg/Kg	1	4/13/2004
Cobalt	6.8	1.0		mg/Kg	1	4/13/2004
Copper	57	1.0		mg/Kg	1	4/13/2004
Lead	440	1.0		mg/Kg	1	4/13/2004
Molybdenum	1.6	1.0		mg/Kg	1	4/13/2004
Nickel	17	1.0		mg/Kg	1	4/13/2004
Selenium	ND	1.0		mg/Kg	1	4/13/2004
Silver	ND	1.0		mg/Kg	1	4/13/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	30	1.0		mg/Kg	1	4/13/2004
Zinc	620	1.0		mg/Kg	1	4/13/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408E	QC Batch: 17772			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/9/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-322-S
Lab Order:	068090		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/25/2004
Lab ID:	068090-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040413F	QC Batch: 17805			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/13/2004
Arsenic	ND	1.0		mg/Kg	1	4/13/2004
Barium	82	1.0		mg/Kg	1	4/13/2004
Beryllium	ND	1.0		mg/Kg	1	4/13/2004
Cadmium	ND	1.0		mg/Kg	1	4/13/2004
Chromium	20	1.0		mg/Kg	1	4/13/2004
Cobalt	7.2	1.0		mg/Kg	1	4/13/2004
Copper	24	1.0		mg/Kg	1	4/13/2004
Lead	84	1.0		mg/Kg	1	4/13/2004
Molybdenum	ND	1.0		mg/Kg	1	4/13/2004
Nickel	14	1.0		mg/Kg	1	4/13/2004
Selenium	ND	1.0		mg/Kg	1	4/13/2004
Silver	ND	1.0		mg/Kg	1	4/13/2004
Thallium	ND	1.0		mg/Kg	1	4/13/2004
Vanadium	33	1.0		mg/Kg	1	4/13/2004
Zinc	79	1.0		mg/Kg	1	4/13/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408E	QC Batch: 17772			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/9/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068090
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068090-001A	610-319-S	0.34	mg/L	R37294	0.25	1	3/25/2004	4/19/2004
068090-013A	610-322-S	ND	mg/L	R37294	0.25	1	3/25/2004	4/19/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17634A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546382**

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

Sample ID **MB-17634B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546396**

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

Sample ID **MB-17635A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403H**
Client ID: **ZZZZZ** Batch ID: **17635** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546410**

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

Sample ID **LCS-17634** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546383**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	265	5.0	250	0	106	80	120	0	0		

Sample ID **LCS-17635** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403H**
Client ID: **ZZZZZ** Batch ID: **17635** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	248.6	5.0	250	0	99.4	80	120	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068089-065AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	369.4	5.0	250	92.77	111	47	125	0	0		

Sample ID **068090-008AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **610-320-1.5** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546408**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210.5	5.0	250	12.47	79.2	47	125	0	0		

Sample ID **068090-016AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403H**
Client ID: **610-322-1.5** Batch ID: **17635** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546421**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	181.9	5.0	250	2.381	71.8	47	125	0	0		

Sample ID **068089-065ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **ZZZZZ** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	133.6	5.0	0	0	0	0	0	92.77	36.1	20	R

Sample ID **068090-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403G**
Client ID: **610-320-1.5** Batch ID: **17634** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546407**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.995	5.0	0	0	0	0	0	12.47	32.4	20	R

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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068090-016ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/30/2004** Run ID: **ICP5_040403H**
Client ID: **610-322-1.5** Batch ID: **17635** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **4/3/2004** SeqNo: **546420**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.381	0	20	

Qualifiers:
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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID	068090-011ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/26/2004	Run ID:	WETCHEM_040326G
Client ID:	610-321-0.6	Batch ID:	R36510	TestNo:	EPA 9045C			Analysis Date:	3/26/2004	SeqNo:	541928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.84	0.10	0	0	0	0	0	8.91	0.789	20	

Sample ID	068090-016ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/26/2004	Run ID:	WETCHEM_040326H
Client ID:	610-322-1.5	Batch ID:	R36511	TestNo:	EPA 9045C			Analysis Date:	3/26/2004	SeqNo:	541932

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.61	0.10	0	0	0	0	0	7.77	2.08	20	

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Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17780** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553049**

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

Sample ID **MB-17780A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553050**

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

Sample ID **MB-17780B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553064**

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

Sample ID **LCS-17780** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **ZZZZZ** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.115	0.25	5	0	102	80	120	0	0		

Sample ID **068090-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040414L**
Client ID: **610-319-S** Batch ID: **R37160** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2004** SeqNo: **553063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	41.64	1.2	5	34.91	134	70	130	0	0		S

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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	068090-013AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040414L
Client ID:	610-322-S	Batch ID:	R37160	TestNo:	WET/ EPA 74			Analysis Date:	4/14/2004	SeqNo:	553067

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.21	1.0	5	8.431	95.6	70	130	0	0		

Sample ID	068090-001ADUP	SampType:	DUP	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040414L
Client ID:	610-319-S	Batch ID:	R37160	TestNo:	WET/ EPA 74			Analysis Date:	4/14/2004	SeqNo:	553062

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	33.3	1.2	0	0	0	0	0	34.91	4.74	20	

Sample ID	068090-013ADUP	SampType:	DUP	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040414L
Client ID:	610-322-S	Batch ID:	R37160	TestNo:	WET/ EPA 74			Analysis Date:	4/14/2004	SeqNo:	553066

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.538	0.25	0	0	0	0	0	8.431	1.25	20	

Qualifiers:
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DO- Surrogate dilute out
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Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17808A	mblk	7420_TC	mg/L	4/9/2004	AA2_040416C
Client ID: ZZZZZ	Batch ID: 17808	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/16/2004	SeqNo: 553630

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17774A TCLP	mblk	7420_TC	mg/L	4/9/2004	AA2_040416C
Client ID: ZZZZZ	Batch ID: 17808	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/16/2004	SeqNo: 553631

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17808B	mblk	7420_TC	mg/L	4/9/2004	AA2_040416C
Client ID: ZZZZZ	Batch ID: 17808	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/16/2004	SeqNo: 553658

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17774B TCLP	mblk	7420_TC	mg/L	4/9/2004	AA2_040416C
Client ID: ZZZZZ	Batch ID: 17808	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/16/2004	SeqNo: 553660

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17809A	mblk	7420_TC	mg/L	4/9/2004	AA2_040416E
Client ID: ZZZZZ	Batch ID: 17809	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/16/2004	SeqNo: 553683

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

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17775A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416E
Client ID:	ZZZZZ	Batch ID:	17809	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553684

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

Sample ID	LCS-17808	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553633

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.126	0.25	1	0	113	80	120	0	0		

Sample ID	LCS-17809	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416E
Client ID:	ZZZZZ	Batch ID:	17809	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553685

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.171	0.25	1	0	117	80	120	0	0		

Sample ID	068089-025AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553656

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.731	0.25	2.5	0.1657	103	70	130	0	0		

Sample ID	068090-003AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	610-319-0.6	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553678

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.85	0.25	2.5	0.2394	104	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	068090-013AMS	SampType:	MS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416E
Client ID:	610-322-S	Batch ID:	17809	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553703

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.3596	0.25	2.5	0.2588	4.03	70	130	0	0		S

Sample ID	068089-025ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	ZZZZZ	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553654

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1657	0	20	

Sample ID	068090-003ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416C
Client ID:	610-319-0.6	Batch ID:	17808	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553677

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2394	0	20	

Sample ID	068090-013ADUP	SampType:	DUP	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/9/2004	Run ID:	AA2_040416E
Client ID:	610-322-S	Batch ID:	17809	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/16/2004	SeqNo:	553701

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2927	0.25	0	0	0	0	0	0.2588	12.3	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17805** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551348**

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

Sample ID **LCS-17805** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.01	2.0	50	0	88	80	120	0	0		
Arsenic	45.1	1.0	50	0	90.2	80	120	0	0		
Barium	43.61	1.0	50	0	87.2	80	120	0	0		
Beryllium	45.49	1.0	50	0	91	80	120	0	0		
Cadmium	43.76	1.0	50	0	87.5	80	120	0	0		
Chromium	45.29	1.0	50	0	90.6	80	120	0	0		
Cobalt	42.78	1.0	50	0	85.6	80	120	0	0		
Copper	43.65	2.0	50	0	87.3	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17805** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.04	1.0	50	0	86.1	80	120	0	0		
Molybdenum	45.27	1.0	50	0	90.5	80	120	0	0		
Nickel	43	1.0	50	0	86	80	120	0	0		
Selenium	45.41	1.0	50	0	90.8	80	120	0	0		
Silver	42.8	1.0	50	0	85.6	80	120	0	0		
Thallium	43.13	1.0	50	0	86.3	80	120	0	0		
Vanadium	44.89	1.0	50	0	89.8	80	120	0	0		
Zinc	43.82	1.0	50	0	87.6	80	120	0	0		

Sample ID **068089-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	91.23	1.0	125	0	73	23	118	0	0		
Arsenic	8.41	1.0	125	0	6.73	64	111	0	0		S
Barium	194.2	1.0	125	97.46	77.4	36	146	0	0		
Beryllium	106.3	1.0	125	0	85	50	120	0	0		
Cadmium	101.8	1.0	125	0.7348	80.9	62	107	0	0		
Chromium	126	1.0	125	18.7	85.8	63	119	0	0		
Cobalt	105.2	1.0	125	6.417	79.1	63	111	0	0		
Copper	150.4	1.0	125	76.44	59.2	58	136	0	0		
Lead	1934	1.0	125	1625	248	47	125	0	0		S
Molybdenum	109.6	1.0	125	1.774	86.3	63	116	0	0		
Nickel	112.9	1.0	125	13.57	79.4	57	116	0	0		
Selenium	107.1	1.0	125	0	85.7	47	118	0	0		
Silver	100.3	1.0	125	0	80.3	48	125	0	0		
Thallium	91.15	1.0	125	0	72.9	49	116	0	0		
Vanadium	134.2	1.0	125	25.14	87.3	65	122	0	0		
Zinc	347.6	1.0	125	247.7	79.9	36	140	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068089-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	86.25	1.0	125	0	69	23	118	91.23	5.61	20	
Arsenic	ND	1.0	125	0	0	64	111	8.41	0	20	S
Barium	182.9	1.0	125	97.46	68.3	36	146	194.2	5.98	20	
Beryllium	104.6	1.0	125	0	83.7	50	120	106.3	1.58	20	
Cadmium	100	1.0	125	0.7348	79.4	62	107	101.8	1.75	20	
Chromium	124.2	1.0	125	18.7	84.4	63	119	126	1.41	20	
Cobalt	104.3	1.0	125	6.417	78.3	63	111	105.2	0.889	20	
Copper	145.8	1.0	125	76.44	55.5	58	136	150.4	3.09	20	S
Lead	1374	1.0	125	1625	-201	47	125	1934	33.9	20	SR
Molybdenum	106.7	1.0	125	1.774	83.9	63	116	109.6	2.71	20	
Nickel	114.4	1.0	125	13.57	80.6	57	116	112.9	1.30	20	
Selenium	103.8	1.0	125	0	83.1	47	118	107.1	3.14	20	
Silver	100.8	1.0	125	0	80.6	48	125	100.3	0.460	20	
Thallium	88.46	1.0	125	0	70.8	49	116	91.15	2.99	20	
Vanadium	133	1.0	125	25.14	86.3	65	122	134.2	0.901	20	
Zinc	313.6	1.0	125	247.7	52.7	36	140	347.6	10.3	20	

Sample ID **068089-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	80.44	1.0	0	0	0	0	0	97.46	19.1	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.7348	0	20	
Chromium	18.55	1.0	0	0	0	0	0	18.7	0.771	20	
Cobalt	5.906	1.0	0	0	0	0	0	6.417	8.30	20	
Copper	38.34	1.0	0	0	0	0	0	76.44	66.4	20	R
Lead	1073	1.0	0	0	0	0	0	1625	40.9	20	R

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068089-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413F**
Client ID: **ZZZZZ** Batch ID: **17805** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	2.768	1.0	0	0	0	0	0	1.774	43.8	20	R
Nickel	17.38	1.0	0	0	0	0	0	13.57	24.6	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	23.34	1.0	0	0	0	0	0	25.14	7.41	20	
Zinc	188.4	1.0	0	0	0	0	0	247.7	27.2	20	R

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17772	MBLK	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549058

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17772	LCS	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549057

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.13	0.10	2.08	0	102	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007AMS	MS	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549054

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9235	0.10	0.83	0.0995	99.3	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007AMSD	MSD	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549055

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9325	0.10	0.83	0.0995	100	62	146	0.9235	0.970	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068088-007ADUP	DUP	7471_S	mg/Kg	4/8/2004	AA1_040408E
Client ID: ZZZZZ	Batch ID: 17772	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/8/2004	SeqNo: 549053

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1027	0.10	0	0	0	0	0	0.0995	3.18	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068090
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17908	mblk	7420_DI	mg/L		AA2_040419O
Client ID: ZZZZZ	Batch ID: R37294	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555215

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17908A	mblk	7420_DI	mg/L		AA2_040419O
Client ID: ZZZZZ	Batch ID: R37294	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555216

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17908	lcs	7420_DI	mg/L		AA2_040419O
Client ID: ZZZZZ	Batch ID: R37294	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555217

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.161	0.25	5	0	103	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068090-013AMS	MS	7420_DI	mg/L		AA2_040419O
Client ID: 610-322-S	Batch ID: R37294	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555226

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.403	0.25	5	0.08134	106	70	130	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068090-013ADUP	DUP	7420_DI	mg/L		AA2_040419O
Client ID: 610-322-S	Batch ID: R37294	TestNo: WET DI/ EPA		Analysis Date: 4/19/2004	SeqNo: 555225

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.08134	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0406090-01	610- 319-5		3/25/04	1149	soil	1	✓
-02	610- 319-0.3			1150			
-03	610- 319-0.6			1151			
-04	610- 319-1.5			1153			
-05	610- 320-5			1147			
-06	610- 320-0.3			1148			
-07	610- 320-0.6			1150			
-08	610- 320-1.5			1152			
-09	610- 321-5			1148			
-10	610- 321 0.3			1150			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-25-04	5:00p
[signature]	[signature]	3-25-04	6:45p

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3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-011	610-321-0.6		3/25/04	1152	soil	1	X
-012	610-321-1.5			1155			
-013	610-322-5			1140			
-014	610-322-0.3			1141			
-015	610-322-0.6			1142			
-016	610-322-1.5			1145			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
		3-25-04	6:15p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068024

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068024
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068024-001A	610-323-S	52	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-002A	610-323-0.3	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-003A	610-323-0.6	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-004A	610-323-1.5	30	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-005A	610-324-S	77	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-006A	610-324-0.3	14	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-007A	610-324-0.6	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-008A	610-324-1.5	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-009A	610-325-S	140	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-010A	610-325-0.3	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-011A	610-325-0.6	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068024
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068024-012A	610-325-1.5	ND	mg/Kg	17545	5	1	3/23/2004	3/28/2004
068024-013A	610-326-S	30	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068024-014A	610-326-0.3	ND	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068024-015A	610-326-0.6	10	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068024-016A	610-326-1.5	6.9	mg/Kg	17546	5	1	3/23/2004	3/31/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068024
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068024-004A	610-323-1.5	7.60	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068024-008A	610-324-1.5	8.18	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068024-012A	610-325-1.5	7.87	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068024-016A	610-326-1.5	7.57	pH Units	R36449	0.1	1	3/23/2004	3/25/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068024
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068024-001A	610-323-S	3.5	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068024-005A	610-324-S	5.0	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068024-009A	610-325-S	7.8	mg/L	R36975	0.25	1	3/23/2004	4/9/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068024
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068024-001A	610-323-S	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068024-004A	610-323-1.5	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068024-005A	610-324-S	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068024-009A	610-325-S	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-324-S
Lab Order:	068024		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068024-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	5.1	1.0		mg/Kg	1	4/12/2004
Barium	110	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	19	1.0		mg/Kg	1	4/12/2004
Cobalt	9.3	1.0		mg/Kg	1	4/12/2004
Copper	24	1.0		mg/Kg	1	4/12/2004
Lead	90	1.0		mg/Kg	1	4/12/2004
Molybdenum	ND	1.0		mg/Kg	1	4/12/2004
Nickel	14	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	35	1.0		mg/Kg	1	4/12/2004
Zinc	69	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408F	QC Batch: 17769			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-325-S
Lab Order:	068024		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068024-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	6.9	1.0		mg/Kg	1	4/12/2004
Barium	150	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	24	1.0		mg/Kg	1	4/12/2004
Cobalt	11	1.0		mg/Kg	1	4/12/2004
Copper	32	1.0		mg/Kg	1	4/12/2004
Lead	200	1.0		mg/Kg	1	4/12/2004
Molybdenum	ND	1.0		mg/Kg	1	4/12/2004
Nickel	18	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	41	1.0		mg/Kg	1	4/12/2004
Zinc	140	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408F	QC Batch: 17769			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068024
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068024-009A	610-325-S	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17545A	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040328A
Client ID: ZZZZZ	Batch ID: 17545	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542153

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17545B	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040328A
Client ID: ZZZZZ	Batch ID: 17545	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542167

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17546A	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: ZZZZZ	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542181

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17546B	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: ZZZZZ	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 543463

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17545	LCS	6010_SPB	mg/Kg	3/25/2004	ICP5_040328A
Client ID: ZZZZZ	Batch ID: 17545	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542154

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.1	5.0	250	0	100	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17546** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	244.3	5.0	250	0	97.7	80	120	0	0		

Sample ID **068024-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **610-323-0.3** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	172	5.0	250	3.013	67.6	47	125	0	0		

Sample ID **068024-012AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328A**
Client ID: **610-325-1.5** Batch ID: **17545** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	336	5.0	250	4.398	133	47	125	0	0		S

Sample ID **068025-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.07	5.0	250	75.19	-23.2	47	125	0	0		S

Sample ID **068026-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **543476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	422.2	5.0	250	55.56	147	47	125	0	0		S

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068024-002ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040328A
Client ID:	610-323-0.3	Batch ID:	17545	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/28/2004	SeqNo:	542165

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.013	0	20	

Sample ID	068024-012ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040328A
Client ID:	610-325-1.5	Batch ID:	17545	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/28/2004	SeqNo:	542178

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.398	0	20	

Sample ID	068025-006ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040328B
Client ID:	ZZZZZ	Batch ID:	17546	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/28/2004	SeqNo:	542192

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.55	5.0	0	0	0	0	0	75.19	111	20	R

Sample ID	068026-002ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040328B
Client ID:	ZZZZZ	Batch ID:	17546	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/29/2004	SeqNo:	543475

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	44.19	5.0	0	0	0	0	0	55.56	22.8	20	R

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068025-014ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325E**
Client ID: **ZZZZZ** Batch ID: **R36449** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.11	0.10	0	0	0	0	0	8.17	0.737	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17738** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549753**

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

Sample ID **MB-17738A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549754**

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

Sample ID **MB-17738B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549768**

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

Sample ID **LCS-17738** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.036	0.25	5	0	101	80	120	0	0		

Sample ID **068026-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	2.5	5	23.58	78.3	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068029-007AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.44	1.2	5	9.35	102	70	130	0	0		

Sample ID **068026-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.62	2.5	0	0	0	0	0	23.58	45.9	20	R

Sample ID **068029-007ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.95	0.25	0	0	0	0	0	9.35	4.37	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *21-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17760A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552841**

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

Sample ID **MB-17744A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552842**

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

Sample ID **MB-17760B** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552855**

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

Sample ID **MB-17744B TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552856**

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

Sample ID **LCS-17760** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.129	0.25	1	0	113	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068024-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **610-323-S** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.764	0.25	2.5	0.1471	105	70	130	0	0		

Sample ID **068026-003AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.759	0.25	2.5	0.3822	95.1	70	130	0	0		

Sample ID **068024-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **610-323-S** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1471	0	20	

Sample ID **068026-003ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4122	0.25	0	0	0	0	0	0.3822	7.54	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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Date: *21-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550713**

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

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.62	2.0	50	0	89.2	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.59	1.0	50	0	89.2	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	45.66	1.0	50	0	91.3	80	120	0	0		
Cadmium	44.74	1.0	50	0	89.5	80	120	0	0		
Chromium	47.65	1.0	50	0	95.3	80	120	0	0		
Cobalt	45.91	1.0	50	0	91.8	80	120	0	0		
Copper	47.05	2.0	50	0	94.1	80	120	0	0		
Lead	46.9	1.0	50	0	93.8	80	120	0	0		
Molybdenum	45.93	1.0	50	0	91.9	80	120	0	0		
Nickel	45.09	1.0	50	0	90.2	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	54.6	1.0	50	0	109	80	120	0	0		
Thallium	49.32	1.0	50	0	98.6	80	120	0	0		
Vanadium	44.44	1.0	50	0	88.9	80	120	0	0		
Zinc	44.88	1.0	50	0	89.8	80	120	0	0		

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.24	1.0	50	0	94.5	80	120	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77	2.0	125	0	61.6	23	118	0	0		
Arsenic	110	1.0	125	5.84	83.3	64	111	0	0		
Barium	273.5	1.0	125	158.5	92	36	146	0	0		
Beryllium	101.5	1.0	125	0	81.2	50	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	2.035	75.6	62	107	0	0		
Chromium	145.5	1.0	125	40.94	83.6	63	119	0	0		
Cobalt	112	1.0	125	8.03	83.2	63	111	0	0		
Copper	175.5	2.0	125	53.55	97.6	58	136	0	0		
Lead	965	1.0	125	806	127	47	125	0	0		S
Molybdenum	111	1.0	125	3.235	86.2	63	116	0	0		
Nickel	127.5	1.0	125	25.73	81.4	57	116	0	0		
Selenium	89.5	1.0	125	0	71.6	47	118	0	0		
Silver	136	1.0	125	0	109	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	138.5	1.0	125	35.66	82.3	65	122	0	0		
Zinc	330	1.0	125	236.1	75.1	36	140	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	799.3	1.0	125	627.5	137	47	125	0	0		S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.5	2.0	125	0	62	23	118	77	0.647	20	
Arsenic	109.5	1.0	125	5.84	82.9	64	111	110	0.456	20	
Barium	265	1.0	125	158.5	85.2	36	146	273.5	3.16	20	
Beryllium	100	1.0	125	0	80	50	120	101.5	1.49	20	
Cadmium	94.5	1.0	125	2.035	74	62	107	96.5	2.09	20	
Chromium	152.5	1.0	125	40.94	89.2	63	119	145.5	4.70	20	
Cobalt	110	1.0	125	8.03	81.6	63	111	112	1.80	20	

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	166.5	2.0	125	53.55	90.4	58	136	175.5	5.26	20	
Lead	909.5	1.0	125	806	82.8	47	125	965	5.92	20	
Molybdenum	108.5	1.0	125	3.235	84.2	63	116	111	2.28	20	
Nickel	125	1.0	125	25.73	79.4	57	116	127.5	1.98	20	
Selenium	89	1.0	125	0	71.2	47	118	89.5	0.560	20	
Silver	129	1.0	125	0	103	48	125	136	5.28	20	
Thallium	108.5	1.0	125	0	86.8	49	116	111	2.28	20	
Vanadium	138.5	1.0	125	35.66	82.3	65	122	138.5	0	20	
Zinc	302.5	1.0	125	236.1	53.1	36	140	330	8.70	20	

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	743.7	1.0	125	627.5	92.9	47	125	799.3	7.21	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	5.34	1.0	0	0	0	0	0	5.84	8.94	20	
Barium	141	1.0	0	0	0	0	0	158.5	11.7	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	1.19	1.0	0	0	0	0	0	2.035	52.4	20	R
Chromium	28.28	1.0	0	0	0	0	0	40.94	36.6	20	R
Cobalt	9.255	1.0	0	0	0	0	0	8.03	14.2	20	
Copper	62.3	2.0	0	0	0	0	0	53.55	15.1	20	
Lead	650.5	1.0	0	0	0	0	0	806	21.4	20	R
Molybdenum	2.6	1.0	0	0	0	0	0	3.235	21.8	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	26.62	1.0	0	0	0	0	0	25.73	3.42	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.2	1.0	0	0	0	0	0	35.66	1.28	20	
Zinc	209.7	1.0	0	0	0	0	0	236.1	11.8	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	541.2	1.0	0	0	0	0	0	627.5	14.8	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17769** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549076**

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

Sample ID **LCS-17769** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549075**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.137	0.10	2.08	0	103	80	120	0	0		

Sample ID **068024-005AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **610-324-S** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9389	0.10	0.83	0.06098	106	62	146	0	0		

Sample ID **068024-005AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **610-324-S** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9322	0.10	0.83	0.06098	105	62	146	0.9389	0.717	30	

Sample ID **068024-005ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **610-324-S** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/9/2004** SeqNo: **549077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.06098	0	30	

Qualifiers:
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J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17837** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554901**

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

Sample ID **MB-17837A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554902**

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

Sample ID **MB-17837B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554916**

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

Sample ID **LCS-17837** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.02	0.25	5	0	100	80	120	0	0		

Sample ID **068028-002AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.87	0.25	5	2.621	105	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068024
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068029-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.302	0.25	5	0	106	70	130	0	0		

Sample ID **068028-002ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.187	0.25	0	0	0	0	0	2.621	18.1	20	

Sample ID **068029-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0608024-001	610-323-5		3/23/04	947	soil	1	X
-002	610-323-0.3			948			
-003	610-323-0.6			949			
-004	610-323-1.5			952			
-005	610-324-5			927			
-006	610-324-0.3			928			
-007	610-324-0.6			930			
-008	610-324-1.5			935			
-009	610-325-5			947			
-010	610-325-0.3			948			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403074-011	610- 325-0.6		3/23/04	949	soil	1	X
-012	610- 325-1.5			952			
-013	610- 326-S			935			
-014	610- 326-0.3			936			
-015	610- 326-0.6			937			
-016	610- 326-1.5			938			
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	8:00
Relinquished by: (Signature)	Received by: (Signature)	3-23-04	8:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068017

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068017
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068017-001A	610-327-S	840	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-002A	610-327-0.3	30	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-003A	610-327-0.6	80	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-004A	610-328-S	300	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-005A	610-328-0.3	23	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-006A	610-328-0.6	ND	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-007A	610-328-1.5	30	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-008A	610-329-S	1400	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-009A	610-329-0.3	30	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-010A	610-329-0.6	81	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-011A	610-329-1.5	89	mg/Kg	17540	5	1	3/23/2004	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068017
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068017-012A	610-330-S	230	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-013A	610-330-0.3	40	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068017-014A	610-330-0.6	27	mg/Kg	17540	5	1	3/23/2004	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068017
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068017-004A	610-328-S	7.69	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068017-008A	610-329-S	7.16	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068017-012A	610-330-S	7.45	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068017-014A	610-330-0.6	8.56	pH Units	R36447	0.1	1	3/23/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068017
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068017-001A	610-327-S	87	mg/L	R36830	5	20	3/23/2004	4/6/2004
068017-003A	610-327-0.6	6.7	mg/L	R36830	0.25	1	3/23/2004	4/6/2004
068017-004A	610-328-S	22	mg/L	R36832	1.2	5	3/23/2004	4/6/2004
068017-010A	610-329-0.6	4.6	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068017-011A	610-329-1.5	3.4	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068017-012A	610-330-S	12	mg/L	R36832	0.5	2	3/23/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068017
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068017-001A	610-327-S	1.6	mg/L	17714	0.25	1	3/23/2004	4/5/2004
068017-004A	610-328-S	0.71	mg/L	17714	0.25	1	3/23/2004	4/5/2004
068017-008A	610-329-S	2.0	mg/L	17714	0.25	1	3/23/2004	4/5/2004
068017-012A	610-330-S	0.31	mg/L	17714	0.25	1	3/23/2004	4/5/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-327-S
Lab Order:	068017		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068017-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	130	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	1.2	1.0		mg/Kg	1	4/5/2004
Chromium	25	1.0		mg/Kg	1	4/5/2004
Cobalt	6.6	1.0		mg/Kg	1	4/5/2004
Copper	64	1.0		mg/Kg	1	4/5/2004
Lead	920	1.0		mg/Kg	1	4/5/2004
Molybdenum	2.1	1.0		mg/Kg	1	4/5/2004
Nickel	20	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	27	1.0		mg/Kg	1	4/5/2004
Zinc	440	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	0.13	0.10		mg/Kg	1	4/4/2004

Qualifiers:

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- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-329-S
Lab Order:	068017		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068017-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	140	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	1.2	1.0		mg/Kg	1	4/5/2004
Chromium	26	1.0		mg/Kg	1	4/5/2004
Cobalt	6.1	1.0		mg/Kg	1	4/5/2004
Copper	74	1.0		mg/Kg	1	4/5/2004
Lead	1300	1.0		mg/Kg	1	4/5/2004
Molybdenum	2.7	1.0		mg/Kg	1	4/5/2004
Nickel	19	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	24	1.0		mg/Kg	1	4/5/2004
Zinc	580	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	0.15	0.10		mg/Kg	1	4/4/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
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Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068017
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068017-001A	610-327-S	1.8	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068017-003A	610-327-0.6	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068017-004A	610-328-S	0.51	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068017-012A	610-330-S	ND	mg/L	R37193	0.25	1	3/23/2004	4/16/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17540A	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040327A
Client ID: ZZZZZ	Batch ID: 17540	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/27/2004	SeqNo: 542013

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17540B	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040327A
Client ID: ZZZZZ	Batch ID: 17540	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/27/2004	SeqNo: 542027

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17540	LCS	6010_SPB	mg/Kg	3/25/2004	ICP5_040327A
Client ID: ZZZZZ	Batch ID: 17540	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/27/2004	SeqNo: 542014

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.6	5.0	250	0	100	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068017-010AMS	MS	6010_SPB	mg/Kg	3/25/2004	ICP5_040327A
Client ID: 610-329-0.6	Batch ID: 17540	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/27/2004	SeqNo: 542026

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	285.4	5.0	250	80.64	81.9	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068018-006AMS	MS	6010_SPB	mg/Kg	3/25/2004	ICP5_040327A
Client ID: ZZZZZ	Batch ID: 17540	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/27/2004	SeqNo: 542039

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.8	5.0	250	108.5	58.1	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	068017-010ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040327A
Client ID:	610-329-0.6	Batch ID:	17540	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/27/2004	SeqNo:	542025

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.57	5.0	0	0	0	0	0	80.64	36.8	20	R

Sample ID	068018-006ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/25/2004	Run ID:	ICP5_040327A
Client ID:	ZZZZZ	Batch ID:	17540	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/27/2004	SeqNo:	542038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	145.7	5.0	0	0	0	0	0	108.5	29.3	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068020-014ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325C**
Client ID: **ZZZZZ** Batch ID: **R36447** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.64	0.10	0	0	0	0	0	8.7	0.692	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17655** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547498**

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

Sample ID **MB-17655A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17655B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547527**

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

Sample ID **MB-17656** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547535**

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

Sample ID **MB-17656A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547536**

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

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17656B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547549**

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

Sample ID **LCS-17655** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547526**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.075	0.25	5	0	102	80	120	0	0		

Sample ID **LCS-17656** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547563**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.999	0.25	5	0	100	80	120	0	0		

Sample ID **067990-016AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.62	0.50	5	14.21	108	70	130	0	0		

Sample ID **068017-003AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **610-327-0.6** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.29	0.50	5	6.737	131	70	130	0	0		S

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.73	0.50	5	10.99	94.6	70	130	0	0		

Sample ID **068021-025AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	127.7	5.0	5	127.6	2.2	70	130	0	0		S

Sample ID **067990-016ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **ZZZZZ** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.11	0.50	0	0	0	0	0	14.21	16.0	20	

Sample ID **068017-003ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406A**
Client ID: **610-327-0.6** Batch ID: **R36830** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547523**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.143	0.25	0	0	0	0	0	6.737	26.8	20	R

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.44	0.50	0	0	0	0	0	10.99	4.00	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	96.47	5.0	0	0	0	0	0	127.6	27.8	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17714A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547335**

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

Sample ID **MB-17714B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547336**

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

Sample ID **MB-17692A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547337**

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

Sample ID **MB-17692B TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547338**

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

Sample ID **LCS-17714** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067991-017AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Sample ID **067991-017ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1037	0	20	

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2055	0	20	

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17695** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546997**

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

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	

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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17683** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546498**

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

Sample ID **LCS-17683** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.08	0.10	2.08	0	100	80	120	0	0		

Sample ID **067991-001AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.217	0.10	0.83	0.1425	129	62	146	0	0		

Sample ID **067991-001AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.215	0.10	0.83	0.1425	129	62	146	1.217	0.137	30	

Sample ID **067991-001ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **AA1_040404A**
Client ID: **ZZZZZ** Batch ID: **17683** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/4/2004** SeqNo: **546500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.195	0.10	0	0	0	0	0	0.1425	31.1	30	R

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Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17819** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553612**

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

Sample ID **MB-17819A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553615**

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

Sample ID **MB-17819B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553645**

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

Sample ID **LCS17819** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.085	0.25	5	0	102	80	120	0	0		

Sample ID **068018-007AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.447	0.25	5	0.3197	103	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 068017
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068021-026AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.294	0.25	5	3.366	98.6	70	130	0	0		

Sample ID **068018-007ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2775	0.25	0	0	0	0	0	0.3197	14.1	20	

Sample ID **068021-026ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553667**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.688	0.25	0	0	0	0	0	3.366	22.4	20	R

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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408017 - 001	610- 327-5		3/23/04	1058	soil	1	X
- 002	610- 327-0.3			1059			
- 003	610- 327-0.6			1101			
- 004	610- 328-5			1045			
- 005	610- 328-0.3			1046			
- 006	610- 328-0.6			1047			
- 007	610- 328-1.5			1050			
- 008	610- 329-5			1055			
- 009	610- 329-0.3			1056			
- 010	610- 329-0.6			1057			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
060017-011	610-329-1.5		3/23/04	1100	soil	1	X
1-012	610-330-5		↓	1048	↓	↓	↓
1-013	610-330-0.3			1050			
✓-014	610-330-0.6			1053			
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068025

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068025
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068025-001A	610-331-S	6.2	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068025-002A	610-331-0.3	140	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068025-003A	610-331-0.6	23	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068025-004A	610-332-S	12	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068025-005A	610-332-0.3	160	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068025-006A	610-332-0.6	75	mg/Kg	17546	5	1	3/23/2004	3/28/2004
068025-007A	610-333-S	210	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068025-008A	610-333-0.3	220	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068025-009A	610-333-0.6	ND	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068025-010A	610-333-1.5	6.8	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068025-011A	610-334-S	35	mg/Kg	17546	5	1	3/23/2004	3/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068025
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068025-012A	610-334-0.3	27	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068025-013A	610-334-0.6	10	mg/Kg	17546	5	1	3/23/2004	3/29/2004
068025-014A	610-334-1.5	14	mg/Kg	17546	5	1	3/23/2004	3/29/2004

Qualifiers:

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DO - Surrogate Diluted Out
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068025
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068025-004A	610-332-S	7.43	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068025-008A	610-333-0.3	8.23	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068025-012A	610-334-0.3	8.50	pH Units	R36449	0.1	1	3/23/2004	3/25/2004
068025-014A	610-334-1.5	8.17	pH Units	R36449	0.1	1	3/23/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068025
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068025-002A	610-331-0.3	0.37	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068025-005A	610-332-0.3	1.5	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068025-006A	610-332-0.6	3.0	mg/L	R36975	0.25	1	3/23/2004	4/9/2004
068025-007A	610-333-S	17	mg/L	R36975	0.5	2	3/23/2004	4/9/2004
068025-008A	610-333-0.3	15	mg/L	R36975	0.5	2	3/23/2004	4/9/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068025
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068025-002A	610-331-0.3	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068025-005A	610-332-0.3	ND	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068025-007A	610-333-S	0.66	mg/L	17760	0.25	1	3/23/2004	4/14/2004
068025-008A	610-333-0.3	0.57	mg/L	17760	0.25	1	3/23/2004	4/14/2004

Qualifiers:

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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-333-S
Lab Order:	068025		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068025-007A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	4.7	1.0		mg/Kg	1	4/12/2004
Barium	100	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	24	1.0		mg/Kg	1	4/12/2004
Cobalt	8.7	1.0		mg/Kg	1	4/12/2004
Copper	46	1.0		mg/Kg	1	4/12/2004
Lead	210	1.0		mg/Kg	1	4/12/2004
Molybdenum	1.6	1.0		mg/Kg	1	4/12/2004
Nickel	18	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	37	1.0		mg/Kg	1	4/12/2004
Zinc	120	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408F	QC Batch: 17769			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-333-0.3
Lab Order:	068025		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068025-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040412C	QC Batch: 17803			PrepDate	4/9/2004	Analyst: **RQ**
Antimony	ND	1.0		mg/Kg	1	4/12/2004
Arsenic	4.6	1.0		mg/Kg	1	4/12/2004
Barium	90	1.0		mg/Kg	1	4/12/2004
Beryllium	ND	1.0		mg/Kg	1	4/12/2004
Cadmium	ND	1.0		mg/Kg	1	4/12/2004
Chromium	23	1.0		mg/Kg	1	4/12/2004
Cobalt	8.4	1.0		mg/Kg	1	4/12/2004
Copper	28	1.0		mg/Kg	1	4/12/2004
Lead	140	1.0		mg/Kg	1	4/12/2004
Molybdenum	1.1	1.0		mg/Kg	1	4/12/2004
Nickel	18	1.0		mg/Kg	1	4/12/2004
Selenium	ND	1.0		mg/Kg	1	4/12/2004
Silver	ND	1.0		mg/Kg	1	4/12/2004
Thallium	ND	1.0		mg/Kg	1	4/12/2004
Vanadium	37	1.0		mg/Kg	1	4/12/2004
Zinc	100	1.0		mg/Kg	1	4/12/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040408F	QC Batch: 17769			PrepDate	4/8/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/8/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068025
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068025-007A	610-333-S	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004
068025-008A	610-333-0.3	ND	mg/L	R37281	0.25	1	3/23/2004	4/19/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17546A	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: ZZZZZ	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542181

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17546B	MBLK	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: ZZZZZ	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 543463

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17546	LCS	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: ZZZZZ	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542182

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	244.3	5.0	250	0	97.7	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068025-006AMS	MS	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: 610-332-0.6	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/28/2004	SeqNo: 542193

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.07	5.0	250	75.19	-23.2	47	125	0	0		S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068026-002AMS	MS	6010_SPB	mg/Kg	3/25/2004	ICP5_040328B
Client ID: ZZZZZ	Batch ID: 17546	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/29/2004	SeqNo: 543476

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	422.2	5.0	250	55.56	147	47	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068025-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **610-332-0.6** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/28/2004** SeqNo: **542192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.55	5.0	0	0	0	0	0	75.19	111	20	R

Sample ID **068026-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040328B**
Client ID: **ZZZZZ** Batch ID: **17546** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/29/2004** SeqNo: **543475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	44.19	5.0	0	0	0	0	0	55.56	22.8	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068025-014ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325E**
Client ID: **610-334-1.5** Batch ID: **R36449** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.11	0.10	0	0	0	0	0	8.17	0.737	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17738** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549753**

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

Sample ID **MB-17738A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549754**

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

Sample ID **MB-17738B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549768**

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

Sample ID **LCS-17738** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.036	0.25	5	0	101	80	120	0	0		

Sample ID **068026-001AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	2.5	5	23.58	78.3	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068029-007AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.44	1.2	5	9.35	102	70	130	0	0		

Sample ID **068026-001ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	37.62	2.5	0	0	0	0	0	23.58	45.9	20	R

Sample ID **068029-007ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040409C**
Client ID: **ZZZZZ** Batch ID: **R36975** TestNo: **WET/ EPA 74** Analysis Date: **4/9/2004** SeqNo: **549779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.95	0.25	0	0	0	0	0	9.35	4.37	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
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DO- Surrogate dilute out
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Date: *21-Apr-04*

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17760A	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552841

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

Sample ID	MB-17744A TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552842

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

Sample ID	MB-17760B	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552855

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

Sample ID	MB-17744B TCLP	SampType:	mblk	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552856

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

Sample ID	LCS-17760	SampType:	lcs	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/7/2004	Run ID:	AA2_040414F
Client ID:	ZZZZZ	Batch ID:	17760	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/14/2004	SeqNo:	552843

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.129	0.25	1	0	113	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **068024-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.764	0.25	2.5	0.1471	105	70	130	0	0		

Sample ID **068026-003AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.759	0.25	2.5	0.3822	95.1	70	130	0	0		

Sample ID **068024-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1471	0	20	

Sample ID **068026-003ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414F**
Client ID: **ZZZZZ** Batch ID: **17760** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4122	0.25	0	0	0	0	0	0.3822	7.54	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550713**

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

Sample ID **MB-17803** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.62	2.0	50	0	89.2	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.59	1.0	50	0	89.2	80	120	0	0		
Barium	48	1.0	50	0	96	80	120	0	0		
Beryllium	45.66	1.0	50	0	91.3	80	120	0	0		
Cadmium	44.74	1.0	50	0	89.5	80	120	0	0		
Chromium	47.65	1.0	50	0	95.3	80	120	0	0		
Cobalt	45.91	1.0	50	0	91.8	80	120	0	0		
Copper	47.05	2.0	50	0	94.1	80	120	0	0		
Lead	46.9	1.0	50	0	93.8	80	120	0	0		
Molybdenum	45.93	1.0	50	0	91.9	80	120	0	0		
Nickel	45.09	1.0	50	0	90.2	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	54.6	1.0	50	0	109	80	120	0	0		
Thallium	49.32	1.0	50	0	98.6	80	120	0	0		
Vanadium	44.44	1.0	50	0	88.9	80	120	0	0		
Zinc	44.88	1.0	50	0	89.8	80	120	0	0		

Sample ID **LCS-17803** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.24	1.0	50	0	94.5	80	120	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77	2.0	125	0	61.6	23	118	0	0		
Arsenic	110	1.0	125	5.84	83.3	64	111	0	0		
Barium	273.5	1.0	125	158.5	92	36	146	0	0		
Beryllium	101.5	1.0	125	0	81.2	50	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	96.5	1.0	125	2.035	75.6	62	107	0	0		
Chromium	145.5	1.0	125	40.94	83.6	63	119	0	0		
Cobalt	112	1.0	125	8.03	83.2	63	111	0	0		
Copper	175.5	2.0	125	53.55	97.6	58	136	0	0		
Lead	965	1.0	125	806	127	47	125	0	0		S
Molybdenum	111	1.0	125	3.235	86.2	63	116	0	0		
Nickel	127.5	1.0	125	25.73	81.4	57	116	0	0		
Selenium	89.5	1.0	125	0	71.6	47	118	0	0		
Silver	136	1.0	125	0	109	48	125	0	0		
Thallium	111	1.0	125	0	88.8	49	116	0	0		
Vanadium	138.5	1.0	125	35.66	82.3	65	122	0	0		
Zinc	330	1.0	125	236.1	75.1	36	140	0	0		

Sample ID **068029-036AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	799.3	1.0	125	627.5	137	47	125	0	0		S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.5	2.0	125	0	62	23	118	77	0.647	20	
Arsenic	109.5	1.0	125	5.84	82.9	64	111	110	0.456	20	
Barium	265	1.0	125	158.5	85.2	36	146	273.5	3.16	20	
Beryllium	100	1.0	125	0	80	50	120	101.5	1.49	20	
Cadmium	94.5	1.0	125	2.035	74	62	107	96.5	2.09	20	
Chromium	152.5	1.0	125	40.94	89.2	63	119	145.5	4.70	20	
Cobalt	110	1.0	125	8.03	81.6	63	111	112	1.80	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	166.5	2.0	125	53.55	90.4	58	136	175.5	5.26	20	
Lead	909.5	1.0	125	806	82.8	47	125	965	5.92	20	
Molybdenum	108.5	1.0	125	3.235	84.2	63	116	111	2.28	20	
Nickel	125	1.0	125	25.73	79.4	57	116	127.5	1.98	20	
Selenium	89	1.0	125	0	71.2	47	118	89.5	0.560	20	
Silver	129	1.0	125	0	103	48	125	136	5.28	20	
Thallium	108.5	1.0	125	0	86.8	49	116	111	2.28	20	
Vanadium	138.5	1.0	125	35.66	82.3	65	122	138.5	0	20	
Zinc	302.5	1.0	125	236.1	53.1	36	140	330	8.70	20	

Sample ID **068029-036AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	743.7	1.0	125	627.5	92.9	47	125	799.3	7.21	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	5.34	1.0	0	0	0	0	0	5.84	8.94	20	
Barium	141	1.0	0	0	0	0	0	158.5	11.7	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	1.19	1.0	0	0	0	0	0	2.035	52.4	20	R
Chromium	28.28	1.0	0	0	0	0	0	40.94	36.6	20	R
Cobalt	9.255	1.0	0	0	0	0	0	8.03	14.2	20	
Copper	62.3	2.0	0	0	0	0	0	53.55	15.1	20	
Lead	650.5	1.0	0	0	0	0	0	806	21.4	20	R
Molybdenum	2.6	1.0	0	0	0	0	0	3.235	21.8	20	R

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP2_040412C**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/12/2004** SeqNo: **550725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	26.62	1.0	0	0	0	0	0	25.73	3.42	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.2	1.0	0	0	0	0	0	35.66	1.28	20	
Zinc	209.7	1.0	0	0	0	0	0	236.1	11.8	20	

Sample ID **068029-036ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/9/2004** Run ID: **ICP5_040413H**
Client ID: **ZZZZZ** Batch ID: **17803** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/13/2004** SeqNo: **551730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	541.2	1.0	0	0	0	0	0	627.5	14.8	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17769** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549076**

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

Sample ID **LCS-17769** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549075**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.137	0.10	2.08	0	103	80	120	0	0		

Sample ID **068024-005AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9389	0.10	0.83	0.06098	106	62	146	0	0		

Sample ID **068024-005AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/8/2004** SeqNo: **549065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9322	0.10	0.83	0.06098	105	62	146	0.9389	0.717	30	

Sample ID **068024-005ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/8/2004** Run ID: **AA1_040408F**
Client ID: **ZZZZZ** Batch ID: **17769** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/9/2004** SeqNo: **549077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.06098	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17837** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554901**

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

Sample ID **MB-17837A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554902**

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

Sample ID **MB-17837B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554916**

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

Sample ID **LCS-17837** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.02	0.25	5	0	100	80	120	0	0		

Sample ID **068028-002AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.87	0.25	5	2.621	105	70	130	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068025
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068029-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554928**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.302	0.25	5	0	106	70	130	0	0		

Sample ID **068028-002ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.187	0.25	0	0	0	0	0	2.621	18.1	20	

Sample ID **068029-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419F**
Client ID: **ZZZZZ** Batch ID: **R37281** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **554927**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE G

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0404 - 001	610- 331-5		3/23/04	1337	soil	1	X
- 002	610- 331-0.3			1338			
- 003	610- 331-0.6			1340			
- 004	610- 332-5			1347			
- 005	610- 332-0.3			1348			
- 006	610- 332-0.6			1350			
- 007	610- 333-5			1335			
- 008	610- 333-0.3			1336			
- 009	610- 333-0.6			1337			
- 010	610- 333-1.5			1340			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID.#	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0608025-011	610-334-S		3/23/04	1343	soil	1	X
-012	610-334-0.3			1344			
-013	610-334-0.6			1345			
-014	610-334-1.5			1350			
	610-						
	610-						
	610-						
	610-						
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068018

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068018
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068018-001A	610-335-S	260	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068018-002A	610-335-0.3	270	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068018-003A	610-335-0.6	32	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068018-004A	610-335-1.5	9.3	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068018-005A	610-337-S	340	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068018-006A	610-337-0.3	110	mg/Kg	17540	5	1	3/23/2004	3/27/2004
068018-007A	610-337-0.6	86	mg/Kg	17541	5	1	3/23/2004	3/27/2004
068018-008A	610-337-1.5	8.6	mg/Kg	17541	5	1	3/23/2004	3/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068018
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068018-002A	610-335-0.3	7.85	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068018-004A	610-335-1.5	7.58	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068018-006A	610-337-0.3	8.13	pH Units	R36447	0.1	1	3/23/2004	3/25/2004
068018-008A	610-337-1.5	7.78	pH Units	R36447	0.1	1	3/23/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068018
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068018-001A	610-335-S	9.7	mg/L	R36832	0.5	2	3/23/2004	4/6/2004
068018-002A	610-335-0.3	27	mg/L	R36832	1.2	5	3/23/2004	4/6/2004
068018-005A	610-337-S	31	mg/L	R36832	1.2	5	3/23/2004	4/6/2004
068018-006A	610-337-0.3	4.6	mg/L	R36832	0.25	1	3/23/2004	4/6/2004
068018-007A	610-337-0.6	7.7	mg/L	R36832	0.25	1	3/23/2004	4/6/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068018
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068018-002A	610-335-0.3	2.1	mg/L	17714	0.25	1	3/23/2004	4/5/2004
068018-005A	610-337-S	1.1	mg/L	17714	0.25	1	3/23/2004	4/5/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-335-0.3
Lab Order:	068018		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068018-002A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	91	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	15	1.0		mg/Kg	1	4/5/2004
Cobalt	6.4	1.0		mg/Kg	1	4/5/2004
Copper	27	1.0		mg/Kg	1	4/5/2004
Lead	400	1.0		mg/Kg	1	4/5/2004
Molybdenum	ND	1.0		mg/Kg	1	4/5/2004
Nickel	13	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	28	1.0		mg/Kg	1	4/5/2004
Zinc	96	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/4/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-337-S
Lab Order:	068018		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068018-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040405D	QC Batch: 17695			PrepDate	4/2/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/5/2004
Arsenic	ND	1.0		mg/Kg	1	4/5/2004
Barium	100	1.0		mg/Kg	1	4/5/2004
Beryllium	ND	1.0		mg/Kg	1	4/5/2004
Cadmium	ND	1.0		mg/Kg	1	4/5/2004
Chromium	19	1.0		mg/Kg	1	4/5/2004
Cobalt	5.7	1.0		mg/Kg	1	4/5/2004
Copper	40	1.0		mg/Kg	1	4/5/2004
Lead	340	1.0		mg/Kg	1	4/5/2004
Molybdenum	1.6	1.0		mg/Kg	1	4/5/2004
Nickel	15	1.0		mg/Kg	1	4/5/2004
Selenium	ND	1.0		mg/Kg	1	4/5/2004
Silver	ND	1.0		mg/Kg	1	4/5/2004
Thallium	ND	1.0		mg/Kg	1	4/5/2004
Vanadium	23	1.0		mg/Kg	1	4/5/2004
Zinc	280	1.0		mg/Kg	1	4/5/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040404A	QC Batch: 17683			PrepDate	4/2/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/4/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068018
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068018-001A	610-335-S	0.27	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068018-002A	610-335-0.3	1.2	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068018-005A	610-337-S	0.81	mg/L	R37193	0.25	1	3/23/2004	4/16/2004
068018-007A	610-337-0.6	0.32	mg/L	R37193	0.25	1	3/23/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17540A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **ZZZZZ** Batch ID: **17540** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542013**

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

Sample ID **MB-17540B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **ZZZZZ** Batch ID: **17540** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542027**

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

Sample ID **MB-17541A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542041**

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

Sample ID **MB-17541B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542055**

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

Sample ID **LCS-17540** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **ZZZZZ** Batch ID: **17540** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.6	5.0	250	0	100	80	120	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17541** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.8	5.0	250	0	104	80	120	0	0		

Sample ID **068017-010AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **ZZZZZ** Batch ID: **17540** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	285.4	5.0	250	80.64	81.9	47	125	0	0		

Sample ID **068018-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **610-337-0.3** Batch ID: **17540** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.8	5.0	250	108.5	58.1	47	125	0	0		

Sample ID **068020-008AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	222.5	5.0	250	19.83	81.1	47	125	0	0		

Sample ID **068020-018AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	205.1	5.0	250	12.16	77.2	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068017-010ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **ZZZZZ** Batch ID: **17540** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.57	5.0	0	0	0	0	0	80.64	36.8	20	R

Sample ID **068018-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327A**
Client ID: **610-337-0.3** Batch ID: **17540** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	145.7	5.0	0	0	0	0	0	108.5	29.3	20	R

Sample ID **068020-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	28.06	5.0	0	0	0	0	0	19.83	34.4	20	R

Sample ID **068020-018ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/25/2004** Run ID: **ICP5_040327B**
Client ID: **ZZZZZ** Batch ID: **17541** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/27/2004** SeqNo: **542066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	20.41	5.0	0	0	0	0	0	12.16	50.7	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068020-014ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/25/2004** Run ID: **WETCHEM_040325C**
Client ID: **ZZZZZ** Batch ID: **R36447** TestNo: **EPA 9045C** Analysis Date: **3/25/2004** SeqNo: **540925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.64	0.10	0	0	0	0	0	8.7	0.692	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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Date: *09-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17656** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547535**

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

Sample ID **MB-17656A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547536**

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

Sample ID **MB-17656B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547549**

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

Sample ID **LCS-17656** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547563**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.999	0.25	5	0	100	80	120	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547548**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.73	0.50	5	10.99	94.6	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068021-025AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	127.7	5.0	5	127.6	2.2	70	130	0	0		S

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.44	0.50	0	0	0	0	0	10.99	4.00	20	

Sample ID **068021-025ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040406B**
Client ID: **ZZZZZ** Batch ID: **R36832** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	96.47	5.0	0	0	0	0	0	127.6	27.8	20	R

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17714A	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405C
Client ID: ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547335

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17714B	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405C
Client ID: ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547336

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17692A TCLP	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405C
Client ID: ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547337

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17692B TCLP	MBLK	7420_TC	mg/L	4/5/2004	AA2_040405C
Client ID: ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547338

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17714	LCS	7420_TC	mg/L	4/5/2004	AA2_040405C
Client ID: ZZZZZ	Batch ID: 17714	TestNo: EPA 1311/ 74 (EPA 3010A)		Analysis Date: 4/5/2004	SeqNo: 547339

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067991-017AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Sample ID **067991-017ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1037	0	20	

Sample ID **068020-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2055	0	20	

Qualifiers:
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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17695** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546997**

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

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43.02	2.0	50	0	86	80	120	0	0		
Arsenic	43.76	1.0	50	0	87.5	80	120	0	0		
Barium	48.43	1.0	50	0	96.9	80	120	0	0		
Beryllium	43.99	1.0	50	0	88	80	120	0	0		
Cadmium	43.73	1.0	50	0	87.5	80	120	0	0		
Chromium	46.77	1.0	50	0	93.5	80	120	0	0		
Cobalt	43.29	1.0	50	0	86.6	80	120	0	0		
Copper	45.64	2.0	50	0	91.3	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17695** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **546998**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.57	1.0	50	0	85.1	80	120	0	0		
Molybdenum	44.66	1.0	50	0	89.3	80	120	0	0		
Nickel	43.27	1.0	50	0	86.5	80	120	0	0		
Selenium	42.7	1.0	50	0	85.4	80	120	0	0		
Silver	43.21	1.0	50	0	86.4	80	120	0	0		
Thallium	42.72	1.0	50	0	85.4	80	120	0	0		
Vanadium	45.61	1.0	50	0	91.2	80	120	0	0		
Zinc	42.49	1.0	50	0	85	80	120	0	0		

Sample ID **068020-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	77.51	1.0	125	2.118	60.3	23	118	0	0		
Arsenic	18.13	1.0	125	0	14.5	64	111	0	0		S
Barium	255.6	1.0	125	181.3	59.4	36	146	0	0		
Beryllium	101.9	1.0	125	0	81.5	50	120	0	0		
Cadmium	95.47	1.0	125	2.111	74.7	62	107	0	0		
Chromium	142.1	1.0	125	37.07	84	63	119	0	0		
Cobalt	104.9	1.0	125	6.911	78.4	63	111	0	0		
Copper	271.8	1.0	125	165.6	85	58	136	0	0		
Lead	508.8	1.0	125	616.2	-85.9	47	125	0	0		S
Molybdenum	113.3	1.0	125	8.31	84	63	116	0	0		
Nickel	122.1	1.0	125	30.87	73	57	116	0	0		
Selenium	96.25	1.0	125	0	77	47	118	0	0		
Silver	89.07	1.0	125	0	71.3	48	125	0	0		
Thallium	96.61	1.0	125	0	77.3	49	116	0	0		
Vanadium	126.6	1.0	125	24.95	81.3	65	122	0	0		
Zinc	575.5	1.0	125	514.6	48.7	36	140	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	82.01	1.0	125	2.118	63.9	23	118	77.51	5.64	20	
Arsenic	21.02	1.0	125	0	16.8	64	111	18.13	14.8	20	S
Barium	243.6	1.0	125	181.3	49.8	36	146	255.6	4.79	20	
Beryllium	100.1	1.0	125	0	80.1	50	120	101.9	1.72	20	
Cadmium	95.99	1.0	125	2.111	75.1	62	107	95.47	0.539	20	
Chromium	129.5	1.0	125	37.07	74	63	119	142.1	9.27	20	
Cobalt	101.8	1.0	125	6.911	75.9	63	111	104.9	3.01	20	
Copper	257.6	1.0	125	165.6	73.6	58	136	271.8	5.38	20	
Lead	519.8	1.0	125	616.2	-77.1	47	125	508.8	2.15	20	S
Molybdenum	114.9	1.0	125	8.31	85.2	63	116	113.3	1.35	20	
Nickel	120.5	1.0	125	30.87	71.7	57	116	122.1	1.38	20	
Selenium	95.11	1.0	125	0	76.1	47	118	96.25	1.19	20	
Silver	100.8	1.0	125	0	80.6	48	125	89.07	12.3	20	
Thallium	99.7	1.0	125	0	79.8	49	116	96.61	3.15	20	
Vanadium	126.9	1.0	125	24.95	81.6	65	122	126.6	0.255	20	
Zinc	578.2	1.0	125	514.6	50.9	36	140	575.5	0.479	20	

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.049	1.0	0	0	0	0	0	2.118	36.0	20	R
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	190.9	1.0	0	0	0	0	0	181.3	5.12	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	8.01	1.0	0	0	0	0	0	2.111	117	20	R
Chromium	33.42	1.0	0	0	0	0	0	37.07	10.4	20	
Cobalt	6.495	1.0	0	0	0	0	0	6.911	6.21	20	
Copper	149.9	1.0	0	0	0	0	0	165.6	9.94	20	
Lead	706.7	1.0	0	0	0	0	0	616.2	13.7	20	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **068020-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/2/2004** Run ID: **ICP5_040405D**
Client ID: **ZZZZZ** Batch ID: **17695** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/5/2004** SeqNo: **547009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	7.528	1.0	0	0	0	0	0	8.31	9.86	20	
Nickel	33.88	1.0	0	0	0	0	0	30.87	9.31	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	25.64	1.0	0	0	0	0	0	24.95	2.73	20	
Zinc	492	1.0	0	0	0	0	0	514.6	4.48	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17683	MBLK	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546498

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17683	LCS	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546499

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.08	0.10	2.08	0	100	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001AMS	MS	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546501

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.217	0.10	0.83	0.1425	129	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001AMSD	MSD	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546502

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.215	0.10	0.83	0.1425	129	62	146	1.217	0.137	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067991-001ADUP	DUP	7471_S	mg/Kg	4/2/2004	AA1_040404A
Client ID: ZZZZZ	Batch ID: 17683	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/4/2004	SeqNo: 546500

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.195	0.10	0	0	0	0	0	0.1425	31.1	30	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17819** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553612**

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

Sample ID **MB-17819A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553615**

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

Sample ID **MB-17819B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553645**

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

Sample ID **LCS17819** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.085	0.25	5	0	102	80	120	0	0		

Sample ID **068018-007AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **610-337-0.6** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.447	0.25	5	0.3197	103	70	130	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068021-026AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.294	0.25	5	3.366	98.6	70	130	0	0		

Sample ID **068018-007ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **610-337-0.6** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2775	0.25	0	0	0	0	0	0.3197	14.1	20	

Sample ID **068021-026ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416B**
Client ID: **ZZZZZ** Batch ID: **R37193** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553667**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.688	0.25	0	0	0	0	0	3.366	22.4	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 15 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
W8018 - 001	610- 335-5		3/23	2:07	soil	1	
- 002	610- 335-0.3			2:10			
- 003	610- 335-0.6			2:18			
- 004	610- 335-1.5			2:22			
- 005	610- 337-5			2:08			
- 006	610- 337-0.3			2:12			
- 007	610- 337-0.6			2:15			
- 008	610- 337-1.5			2:23			
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

May 07, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068018

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *07-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-335-S
Lab Order:	068018		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/23/2004
Lab ID:	068018-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION BY TCLP (EPA 3010A)				**EPA 1311/ 7420**		
RunID: AA2_040507A	QC Batch: 18169			PrepDate	5/7/2004	Analyst: **NS**
Lead	1.4	0.25		mg/L	1	5/7/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratory
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068018
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-18140 TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/7/2004** Run ID: **AA2_040507A**
Client ID: **ZZZZZ** Batch ID: **18169** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/7/2004** SeqNo: **561823**

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

Sample ID **LCS-17714** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547339**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.053	0.25	1	0	105	80	120	0	0		

Sample ID **LCS-18169** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/7/2004** Run ID: **AA2_040507A**
Client ID: **ZZZZZ** Batch ID: **18169** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/7/2004** SeqNo: **561824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.057	0.25	1	0	106	80	120	0	0		

Sample ID **067991-017AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.628	0.25	2.5	0.1037	101	70	130	0	0		

Sample ID **068020-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/5/2004** Run ID: **AA2_040405C**
Client ID: **ZZZZZ** Batch ID: **17714** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/5/2004** SeqNo: **547363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.77	0.25	2.5	0.2055	103	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068018-001	610-335-S		3/23	2:07	soil	1	
-002	610-335-0.3			2:10			
-003	610-335-0.6			2:15			
-004	610-335-1.5			2:22			
-005	610-337-S			2:08			
-006	610-337-0.3			2:12			
-007	610-337-0.6			2:15			
-008	610-337-1.5			2:23			
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

May 11, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068058

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Invoice

Invoice Number:
68402
Invoice Date:
May 11, 2004
Page:
1

Bill To:
Geocon Environmental
6970 Flanders Drive
San Diego, CA 92121
U.S.A

Report Sent To:
Geocon Environmental
3303 N. San Fernando Blvd.
Suite 100
Burbank, CA 91504

Customer ID	PO Number	Payment Terms
geocon(caltrans)		Net 30 Days
Lab No.	**Project No.**	**Report Date**
68786	09100-06-111	5/11/04

Quantity	Item Code	Description	Unit Price	Amount
1	1311I	TCLP Bottle Extraction	20.00	20.00
1	7420	TCLP Lead	6.00	6.00
1	disc15%	Discount of 15%	3.90	-3.90
		Additional analysis for WO#: 068058		

Total Invoice Amount 22.10

For your convenience, we now accept Visa and Master Card. To use this new service, please complete, sign, and return this invoice to ATL.

MC ☐ *VISA* ☐ *Card No.:* _____ *Exp. Date:* _____

Invoice No.: _____ *Amount:* _____

Printed Name: _____ *Signature:* _____

TERMS: Net 30. Discounts & special pricing are applicable only if paid within 60 days, otherwise pay list price.

REMIT TO: P.O. Box 92797 Long Beach, CA 90809-2797
Tel: 562 989-4045 Fax: 562 989-6348

Advanced Technology Laboratories

Date: *11-May-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	610-336-S
Lab Order:	068058		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/24/2004
Lab ID:	068058-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION BY TCLP (EPA 3010A)				**EPA 1311/ 7420**		
RunID: AA2_040510A	QC Batch: 18182				PrepDate 5/10/2004	Analyst: **NS**
Lead	0.39	0.25		mg/L	1	5/10/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Date: *11-May-04*

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-18182A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/10/2004** Run ID: **AA2_040510A**
Client ID: **ZZZZZ** Batch ID: **18182** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/10/2004** SeqNo: **562238**

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

Sample ID **MB-18140A TCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/10/2004** Run ID: **AA2_040510A**
Client ID: **ZZZZZ** Batch ID: **18182** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/10/2004** SeqNo: **562239**

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

Sample ID **LCS-18182** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/10/2004** Run ID: **AA2_040510A**
Client ID: **ZZZZZ** Batch ID: **18182** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/10/2004** SeqNo: **562240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.045	0.25	1	0	104	80	120	0	0		

Sample ID **068058-001AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/10/2004** Run ID: **AA2_040510A**
Client ID: **610-336-S** Batch ID: **18182** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/10/2004** SeqNo: **562243**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.22	0.25	2.5	0.3931	113	70	130	0	0		

Sample ID **068058-001ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/10/2004** Run ID: **AA2_040510A**
Client ID: **610-336-S** Batch ID: **18182** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **5/10/2004** SeqNo: **562242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.3996	0.25	0	0	0	0	0	0.3931	1.64	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.
FIELD NOTES: EA129411 - BRIDGE 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1 Cont. from 3/23/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
048058-01	610- 336-S		3/24	1:43	soil	1	
-02	610- 336-0.3			1:46			
-03	610- 336-0.6			1:49			
-04	610- 336-1.5			1:55			
-05	610- 338-S			1:44			
-06	610- 338-0.3			1:48			
-07	610- 338-0.6			1:50			
-08	610- 338-1.5			2:02			
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date: 3-24-04	Time: 5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-24-04	Time: 6:30p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068058

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068058
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068058-001A	610-336-S	170	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068058-002A	610-336-0.3	19	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068058-003A	610-336-0.6	19	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068058-004A	610-336-1.5	22	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068058-005A	610-338-S	18	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068058-006A	610-338-0.3	12	mg/Kg	17591	5	1	3/24/2004	3/31/2004
068058-007A	610-338-0.6	6.6	mg/Kg	17592	5	1	3/24/2004	3/31/2004
068058-008A	610-338-1.5	12	mg/Kg	17592	5	1	3/24/2004	3/31/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/12/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068058
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068058-001A	610-336-S	7.7	mg/L	R36980	0.25	1	3/24/2004	4/10/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	068058
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068058-001A	610-336-S	ND	mg/L	R37288	0.25	1	3/24/2004	4/19/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17591A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544492

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

Sample ID	MB-17591B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544506

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

Sample ID	MB-17592A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331F
Client ID:	ZZZZZ	Batch ID:	17592	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544527

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

Sample ID	MB-17592B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331F
Client ID:	ZZZZZ	Batch ID:	17592	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544541

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

Sample ID	LCS-17591	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040331D
Client ID:	ZZZZZ	Batch ID:	17591	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/31/2004	SeqNo:	544493

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.2	5.0	250	0	112	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17592** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **ZZZZZ** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544528**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	284.8	5.0	250	0	114	80	120	0	0		

Sample ID **068057-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331D**
Client ID: **ZZZZZ** Batch ID: **17591** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544505**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	281.7	5.0	250	131.4	60.1	47	125	0	0		

Sample ID **068058-006AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331D**
Client ID: **610-338-0.3** Batch ID: **17591** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	188.1	5.0	250	12.06	70.4	47	125	0	0		

Sample ID **068059-008AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **ZZZZZ** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544540**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2172	5.0	250	1413	304	47	125	0	0		S

Sample ID **068059-011AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **ZZZZZ** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	521.6	5.0	250	379.5	56.8	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **068057-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331D**
Client ID: **ZZZZZ** Batch ID: **17591** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	178.7	5.0	0	0	0	0	0	131.4	30.5	20	R

Sample ID **068058-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331D**
Client ID: **610-338-0.3** Batch ID: **17591** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.25	5.0	0	0	0	0	0	12.06	16.2	20	

Sample ID **068059-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **ZZZZZ** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2103	5.0	0	0	0	0	0	1413	39.3	20	R

Sample ID **068059-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040331F**
Client ID: **ZZZZZ** Batch ID: **17592** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/31/2004** SeqNo: **544546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	275	5.0	0	0	0	0	0	379.5	31.9	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *12-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17752** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549899**

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

Sample ID **MB-17752A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549900**

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

Sample ID **MB-17752B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549914**

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

Sample ID **LCS-17752** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **068059-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.42	2.5	5	26.74	73.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068086-018AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549926**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.663	0.25	5	3.313	87	70	130	0	0		

Sample ID **068059-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.6	1.2	0	0	0	0	0	26.74	21.3	20	R

Sample ID **068086-018ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040410C**
Client ID: **ZZZZZ** Batch ID: **R36980** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2004** SeqNo: **549925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.971	0.25	0	0	0	0	0	3.313	57.2	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *21-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17877** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555079**

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

Sample ID **MB-17877A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555080**

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

Sample ID **MB-17877B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555094**

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

Sample ID **LCS-17877** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.206	0.25	5	0	104	80	120	0	0		

Sample ID **068059-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.583	0.25	5	0.1728	108	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068058
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **068086-067AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.536	0.25	5	0	111	70	130	0	0		

Sample ID **068059-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1728	0	20	

Sample ID **068086-067ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040419K**
Client ID: **ZZZZZ** Batch ID: **R37288** TestNo: **WET DI/ EPA** Analysis Date: **4/19/2004** SeqNo: **555105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4231	0.25	0	0	0	0	0	0	200	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411 - BRIDGE 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1 Cont. from 3/23/04

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068058 - 001	610- 336-S		3/24	1:43	soil	1	
-002	610- 336-0.3		↓	1:46			
-003	610- 336-0.6			1:49			
-004	610- 336-1.5			1:55			
-005	610- 338-S			1:44			
-006	610- 338-0.3			1:48			
-007	610- 338-0.6			1:50			
-008	610- 338-1.5			2:02			
	610-						
	610-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00p
[signature]	[signature]	3-24-04	6:30p

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 067986

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067986
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067986-001A	610-EB-1B	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067986-002A	610-EB-2B	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067986-003A	610-EB-3B	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067986-004A	610-EB-4B	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067986-005A	610-EB-5B	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067986-006A	610-EB-6B	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067986
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **MB-17572** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **ZZZZZ** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541716**

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

Sample ID **LCS-17572** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **ZZZZZ** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.95	0.25	1	0	95	85	115	0	0		

Sample ID **067987-003AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **ZZZZZ** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.29	0.25	2.5	0	91.6	67	120	0	0		

Sample ID **067987-003ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **ZZZZZ** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME/NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORK ORDER NO.:
FIELD NOTES: 12791 EA429421

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 15 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL / /

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
04-1786-001	~~710~~ 610-EB-1B		3/22/04	1221	water	1	X
002	~~710~~ 610-EB-2B			1351			
003	~~710~~ 610-EB-3B			1417			
004	~~710~~ 610-EB-4B			1534			
005	~~710~~ 610-EB-5B			1615			
006	~~710~~ 610-EB-6B			1630			
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15P
Relinquished by: (Signature)	Received by: (Signature) 032204	Date: 3-22-04	Time: 9:45A
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129421

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0679960-001	710-EB-1B		3/22/04	1221	water	1	X
-002	710-EB-2B			1357			
-003	710-EB-3B			1417			
-004	710-EB-4B			1534			
-005	710-EB-5B			1615			
-006	710-EB-6B			1630			
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15P
	032304	3-22-04	9:45A

March 29, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067987

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 22, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067987
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/22/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067987-001A	610-EB-1A	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067987-002A	610-EB-2A	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067987-003A	610-EB-3A	ND	mg/L	17572	0.25	1	3/22/2004	3/26/2004
067987-004A	610-EB-4A	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067987-005A	610-EB-5A	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067987-006A	610-EB-6A	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004
067987-007A	610-EB-7A	ND	mg/L	17573	0.25	1	3/22/2004	3/26/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067987
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **MB-17572** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **ZZZZZ** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541716**

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

Sample ID **MB-17573** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326C**
Client ID: **ZZZZZ** Batch ID: **17573** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541808**

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

Sample ID **LCS-17572** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **ZZZZZ** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.95	0.25	1	0	95	85	115	0	0		

Sample ID **LCS-17573** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326C**
Client ID: **ZZZZZ** Batch ID: **17573** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.88	0.25	1	0	88	85	115	0	0		

Sample ID **067987-003AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **610-EB-3A** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.29	0.25	2.5	0	91.6	67	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067987
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **067988-050AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326C**
Client ID: **ZZZZZ** Batch ID: **17573** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.32	0.25	2.5	0	92.8	67	120	0	0		

Sample ID **067987-003ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326B**
Client ID: **610-EB-3A** Batch ID: **17572** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067988-050ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/26/2004** Run ID: **ICP2_040326C**
Client ID: **ZZZZZ** Batch ID: **17573** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/26/2004** SeqNo: **541819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/22/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1-5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067987-001	610-EB-1A		3/22/04	1116	water	1	X
-002	610-EB-2A			1147			
-003	610-EB-3A			1206			
-004	610-EB-4A			1241			
-005	610-EB-5A			133			
-006	610-EB-6A			246			
-007	610-EB-7A			347			
	610-EB-						
	610-EB-						
	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-22-04	5:15p
	032304	3-22-04	9:45p

March 31, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068019

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068019
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068019-001A	610-EB-01C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-002A	610-EB-02C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-003A	610-EB-03C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-004A	610-EB-04C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-005A	610-EB-05C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-006A	610-EB-06C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-007A	610-EB-07C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-008A	610-EB-08C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-009A	610-EB-09C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004
068019-010A	610-EB-10C	ND	mg/L	R36584	0.25	1	3/23/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *31-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068019
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **MB-17575** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330A**
Client ID: **ZZZZZ** Batch ID: **R36584** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543704**

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

Sample ID **LCS-17575** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330A**
Client ID: **ZZZZZ** Batch ID: **R36584** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.034	0.25	1	0	103	85	115	0	0		

Sample ID **068019-010AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330A**
Client ID: **610-EB-10C** Batch ID: **R36584** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.316	0.25	2.5	0	92.6	67	120	0	0		

Sample ID **068019-010ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330A**
Client ID: **610-EB-10C** Batch ID: **R36584** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408119-001	610-EB-01C		2/23	9:01	water	1	X
-002	610-EB-02C		2/23	9:50			
-003	610-EB-03C			10:40			
-004	610-EB-04C			11:50			
-005	610-EB-05C			1:00			
-006	610-EB-06C			1:51			
-007	610-EB-07C			2:33			
-008	610-EB-08C			3:09			
-009	610-EB-09C			3:37			
-010	610-EB-10C			4:30			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-23-04	5:00p
[signature]	[signature]	3-23-04	8:30p

March 31, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068022

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068022
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068022-001A	610-EB-7B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-002A	610-EB-8B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-003A	610-EB-9B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-004A	610-EB-10B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-005A	610-EB-11B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-006A	610-EB-12B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-007A	610-EB-13B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-008A	610-EB-14B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004
068022-009A	610-EB-15B	ND	mg/L	R36585	0.25	1	3/23/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike/Surrogate outside of limits due to matrix interfere
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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *31-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068022
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **MB-17576** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330B**
Client ID: **ZZZZZ** Batch ID: **R36585** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543493**

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

Sample ID **LCS-17576** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330B**
Client ID: **ZZZZZ** Batch ID: **R36585** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9043	0.25	1	0	90.4	85	115	0	0		

Sample ID **068022-009AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330B**
Client ID: **610-EB-15B** Batch ID: **R36585** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543505**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.161	0.25	2.5	0	86.4	67	120	0	0		

Sample ID **068022-009ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330B**
Client ID: **610-EB-15B** Batch ID: **R36585** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408022-001	610-EB-7B		3/23/04	933	water	1	X
-002	610-EB-8B			945			
-003	610-EB-9B			1036			
-004	610-EB-10B			1123			
-005	610-EB-11B			1310			
-006	610-EB-12B			1352			
-007	610-EB-13B			1502			
-008	610-EB-14B			1547			
-009	610-EB-15B			1610			
	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

March 31, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068027

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 23, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068027
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/23/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068027-001A	610-EB-8A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-002A	610-EB-9A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-003A	610-EB-10A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-004A	610-EB-11A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-005A	610-EB-12A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-006A	610-EB-13A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-007A	610-EB-14A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-008A	610-EB-15A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-009A	610-EB-16A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004
068027-010A	610-EB-17A	ND	mg/L	R36586	0.25	1	3/23/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *31-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068027
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **MB-17577** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330C**
Client ID: **ZZZZZ** Batch ID: **R36586** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543507**

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

Sample ID **LCS-17577** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330C**
Client ID: **ZZZZZ** Batch ID: **R36586** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8915	0.25	1	0	89.1	85	115	0	0		

Sample ID **068027-010AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330C**
Client ID: **610-EB-17A** Batch ID: **R36586** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.084	0.25	2.5	0.006527	83.1	67	120	0	0		

Sample ID **068027-010ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330C**
Client ID: **610-EB-17A** Batch ID: **R36586** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.006527	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/23/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
W80277-001	610-EB-8A		3/23/04	921	water	1	X
-002	610-EB-9A			1009			
-003	610-EB-10A			1103			
-004	610-EB-11A			1213			
-005	610-EB-12A			117			
-006	610-EB-13A			204			
-007	610-EB-14A			210			
-008	610-EB-15A			257			
-009	610-EB-16A			317			
-010	610-EB-17A			402			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-23-04	5:00p
		3-23-04	8:30p

March 31, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068043

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068043
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068043-001A	610-EB-15B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-002A	610-EB-16B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-003A	610-EB-17B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-004A	610-EB-18B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-005A	610-EB-19B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-006A	610-EB-20B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-007A	610-EB-21B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-008A	610-EB-22B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068043-009A	610-EB-23B	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *31-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068043
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **MB-17613** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330D**
Client ID: **ZZZZZ** Batch ID: **R36609** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543705**

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

Sample ID **LCS-17613** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330D**
Client ID: **ZZZZZ** Batch ID: **R36609** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9433	0.25	1	0	94.3	85	115	0	0		

Sample ID **068044-001AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330D**
Client ID: **ZZZZZ** Batch ID: **R36609** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.339	0.25	2.5	0	93.6	67	120	0	0		

Sample ID **068044-001ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330D**
Client ID: **ZZZZZ** Batch ID: **R36609** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0408043-001	610-EB- 15B		3/24/04	851	water	1	X
-002	610-EB- 16B			905			
-003	610-EB- 17B			1005			
-004	610-EB- 18B			1032			
-005	610-EB- 19B			1055			
-006	610-EB- 20B			1315			
-007	610-EB- 21B			1355			
-008	610-EB- 22B			1430			
-009	610-EB- 23B			1504			
-	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-24-04	5:00p
		3-24-04	6:30p

March 31, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 068044

Enclosed are the results for sample(s) received on March 24, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068044
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/24/2004 6:30:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068044-001A	610-EB-01C	ND	mg/L	R36609	0.25	1	3/24/2004	3/30/2004
068044-002A	610-EB-02C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004
068044-003A	610-EB-03C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004
068044-004A	610-EB-04C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004
068044-005A	610-EB-05C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004
068044-006A	610-EB-06C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004
068044-007A	610-EB-07C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004
068044-008A	610-EB-08C	ND	mg/L	R36610	0.25	1	3/24/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *31-Mar-04*

CLIENT: Geocon Environmental
Work Order: 068044
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	MB-17613	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040330D
Client ID:	ZZZZZ	Batch ID:	R36609	TestNo:	EPA 6010B			Analysis Date:	3/30/2004	SeqNo:	543705

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

Sample ID	MB-17614	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040330E
Client ID:	ZZZZZ	Batch ID:	R36610	TestNo:	EPA 6010B			Analysis Date:	3/30/2004	SeqNo:	543720

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

Sample ID	LCS-17613	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040330D
Client ID:	ZZZZZ	Batch ID:	R36609	TestNo:	EPA 6010B			Analysis Date:	3/30/2004	SeqNo:	543706

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9433	0.25	1	0	94.3	85	115	0	0		

Sample ID	LCS-17614	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040330E
Client ID:	ZZZZZ	Batch ID:	R36610	TestNo:	EPA 6010B			Analysis Date:	3/30/2004	SeqNo:	543721

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9329	0.25	1	0	93.3	85	115	0	0		

Sample ID	068044-001AMS	SampType:	MS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040330D
Client ID:	610-EB-01C	Batch ID:	R36609	TestNo:	EPA 6010B			Analysis Date:	3/30/2004	SeqNo:	543718

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.339	0.25	2.5	0	93.6	67	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068044
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **068091-003AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330E**
Client ID: **ZZZZZ** Batch ID: **R36610** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.272	0.25	2.5	0	90.9	67	120	0	0		

Sample ID **068044-001ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330D**
Client ID: **610-EB-01C** Batch ID: **R36609** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068091-003ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040330E**
Client ID: **ZZZZZ** Batch ID: **R36610** TestNo: **EPA 6010B** Analysis Date: **3/30/2004** SeqNo: **543732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/24/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME/NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 15 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0680444-001	610-EB- 01C		3/24	9:50	water	1	X
002	610-EB- 02C			10:27			
003	610-EB- 03C			10:58			
004	610-EB- 04C			11:36			
005	610-EB- 05C			12:00			
006	610-EB- 06C			2:05			
007	610-EB- 07C			2:50			
008	610-EB- 08C			3:30			
	610-EB-						
	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-24-04	5:00pm
[signature]	[signature]	3-24-04	6:30p

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068091

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068091
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068091-001A	610-EB-01C	ND	mg/L	17614	0.25	1	3/25/2004	3/30/2004
068091-002A	610-EB-02C	ND	mg/L	17614	0.25	1	3/25/2004	3/30/2004
068091-003A	610-EB-03C	ND	mg/L	17614	0.25	1	3/25/2004	3/30/2004
068091-004A	610-EB-04C	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068091-005A	610-EB-05C	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068091-006A	610-EB-06C	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068091
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17614	MBLK	6010_WPB	mg/L	3/29/2004	ICP5_040330E
Client ID: ZZZZZ	Batch ID: 17614	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 3/30/2004	SeqNo: 543720

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17615	MBLK	6010_WPB	mg/L		ICP5_040403J
Client ID: ZZZZZ	Batch ID: R36765	TestNo: EPA 6010B		Analysis Date: 4/3/2004	SeqNo: 546450

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17614	LCS	6010_WPB	mg/L	3/29/2004	ICP5_040330E
Client ID: ZZZZZ	Batch ID: 17614	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 3/30/2004	SeqNo: 543721

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9329	0.25	1	0	93.3	85	115	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17615	LCS	6010_WPB	mg/L		ICP5_040403J
Client ID: ZZZZZ	Batch ID: R36765	TestNo: EPA 6010B		Analysis Date: 4/3/2004	SeqNo: 546451

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9598	0.25	1	0	96	85	115	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068091-003AMS	MS	6010_WPB	mg/L	3/29/2004	ICP5_040330E
Client ID: 610-EB-03C	Batch ID: 17614	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 3/30/2004	SeqNo: 543733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.272	0.25	2.5	0	90.9	67	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068091
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **068092-007AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040403J**
Client ID: **ZZZZZ** Batch ID: **R36765** TestNo: **EPA 6010B** Analysis Date: **4/3/2004** SeqNo: **546463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.355	0.25	2.5	0	94.2	67	120	0	0		

Sample ID **068091-003ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2004** Run ID: **ICP5_040330E**
Client ID: **610-EB-03C** Batch ID: **17614** TestNo: **EPA 6010B (EPA 3010A)** Analysis Date: **3/30/2004** SeqNo: **543732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068092-007ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040403J**
Client ID: **ZZZZZ** Batch ID: **R36765** TestNo: **EPA 6010B** Analysis Date: **4/3/2004** SeqNo: **546462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068091 - 001	610-EB- 01C		3/25	9:31	water	1	X
- 002	610-EB- 02C			10:01			
- 003	610-EB- 03C			10:48			
- 004	610-EB- 04C			1:09			
- 005	610-EB- 05C			2:40			
- 006	610-EB- 06C			3:03			
	610-EB-						
	610-EB-						
	610-EB-						
	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	6:45p
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

April 05, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068092

Enclosed are the results for sample(s) received on March 25, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068092
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068092-001A	610-EB-101-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-002A	610-EB-102-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-003A	610-EB-103-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-004A	610-EB-104-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-005A	610-EB-105-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-006A	610-EB-106-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-007A	610-EB-107-A	ND	mg/L	R36765	0.25	1	3/25/2004	4/3/2004
068092-008A	610-EB-108-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-009A	610-EB-109-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-010A	610-EB-110-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-011A	610-EB-111-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068092
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/25/2004
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068092-012A	610-EB-112-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-013A	610-EB-113-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-014A	610-EB-114-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-015A	610-EB-115-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-016A	610-EB-116-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004
068092-017A	610-EB-117-A	ND	mg/L	R36766	0.25	1	3/25/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 068092
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	MB-17615	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040403J
Client ID:	ZZZZZ	Batch ID:	R36765	TestNo:	EPA 6010B			Analysis Date:	4/3/2004	SeqNo:	546450

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

Sample ID	MB-17616	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040403K
Client ID:	ZZZZZ	Batch ID:	R36766	TestNo:	EPA 6010B			Analysis Date:	4/3/2004	SeqNo:	546465

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

Sample ID	LCS-17615	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040403J
Client ID:	ZZZZZ	Batch ID:	R36765	TestNo:	EPA 6010B			Analysis Date:	4/3/2004	SeqNo:	546451

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9598	0.25	1	0	96	85	115	0	0		

Sample ID	LCS-17616	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040403K
Client ID:	ZZZZZ	Batch ID:	R36766	TestNo:	EPA 6010B			Analysis Date:	4/3/2004	SeqNo:	546466

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9333	0.25	1	0	93.3	85	115	0	0		

Sample ID	068092-007AMS	SampType:	MS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:		Run ID:	ICP5_040403J
Client ID:	610-EB-107-A	Batch ID:	R36765	TestNo:	EPA 6010B			Analysis Date:	4/3/2004	SeqNo:	546463

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.355	0.25	2.5	0	94.2	67	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068092
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **068092-017AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040403K**
Client ID: **610-EB-117-A** Batch ID: **R36766** TestNo: **EPA 6010B** Analysis Date: **4/3/2004** SeqNo: **546478**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.203	0.25	2.5	0	88.1	67	120	0	0		

Sample ID **068092-007ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040403J**
Client ID: **610-EB-107-A** Batch ID: **R36765** TestNo: **EPA 6010B** Analysis Date: **4/3/2004** SeqNo: **546462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **068092-017ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: Run ID: **ICP5_040403K**
Client ID: **610-EB-117-A** Batch ID: **R36766** TestNo: **EPA 6010B** Analysis Date: **4/3/2004** SeqNo: **546477**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
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Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
068092-01	610-EB-101-A		3/25/04	901	water	1	X
-02	610-EB-102-A			947			
-03	610-EB-103-A			1014			
-04	610-EB-104-A			1041			
-05	610-EB-105-A			1111			
-06	610-EB-106-A			1137			
-07	610-EB-107-A			1300			
-08	610-EB-108-A			1345			
-09	610-EB-109-A			1400			
-10	610-EB-110-A			1415			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
		3-25-04	6:45p

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/25/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129411

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

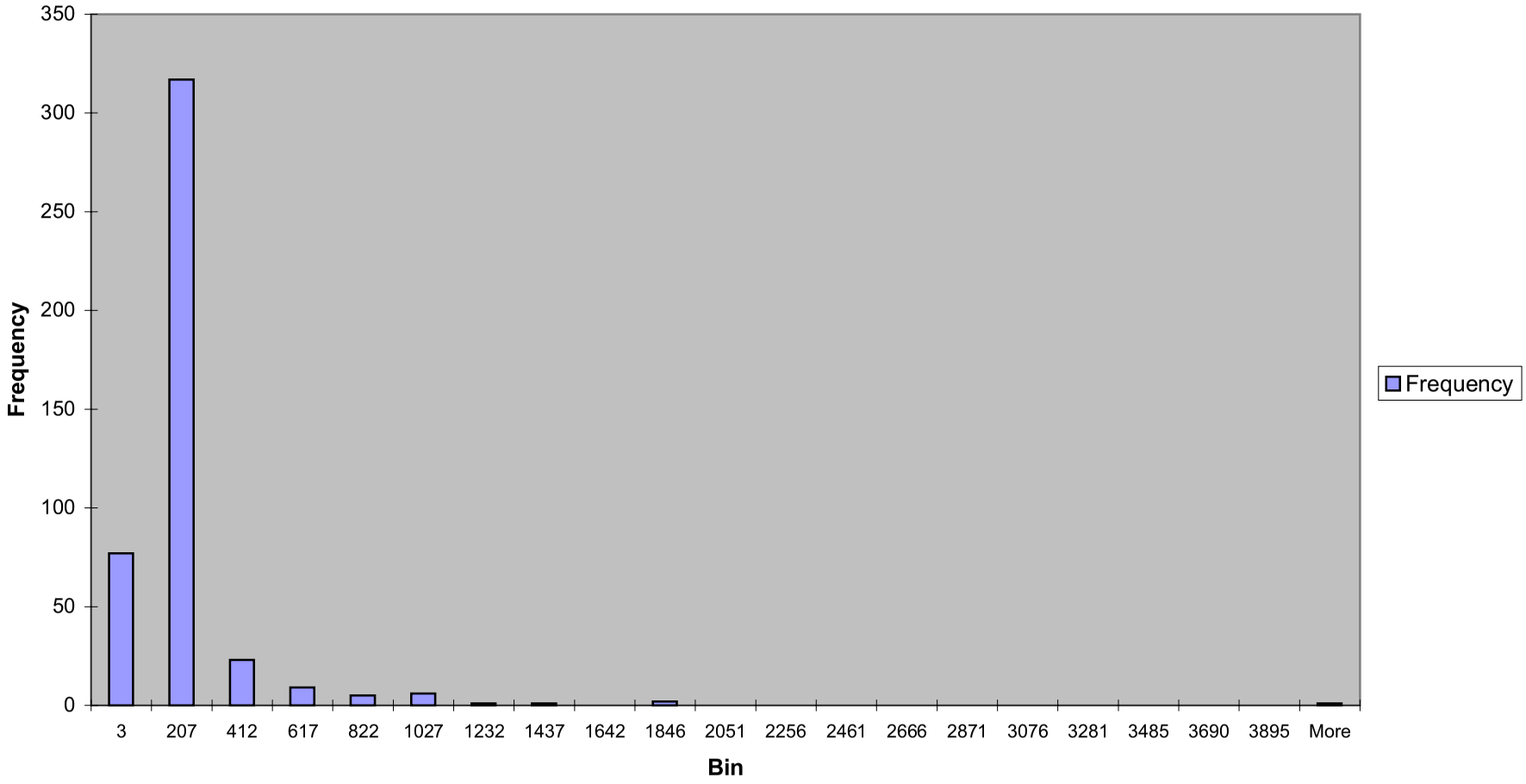
LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
-011	610-EB- 111-A		3/25/04	1450	water	1	X
-012	610-EB- 112-A		↓	1511			↓
-013	610-EB- 113-A		↓	1550			↓
-014	610-EB- 114-A		↓	1605			↓
-015	610-EB- 115-A		↓	1617			↓
-016	610-EB- 116-A		↓	1640			↓
-017	610-EB- 117-A		↓	1657			↓
	610-EB-						
	610-EB-						
	610-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-25-04	5:00p
		3-25-04	6:45p

APPENDIX C

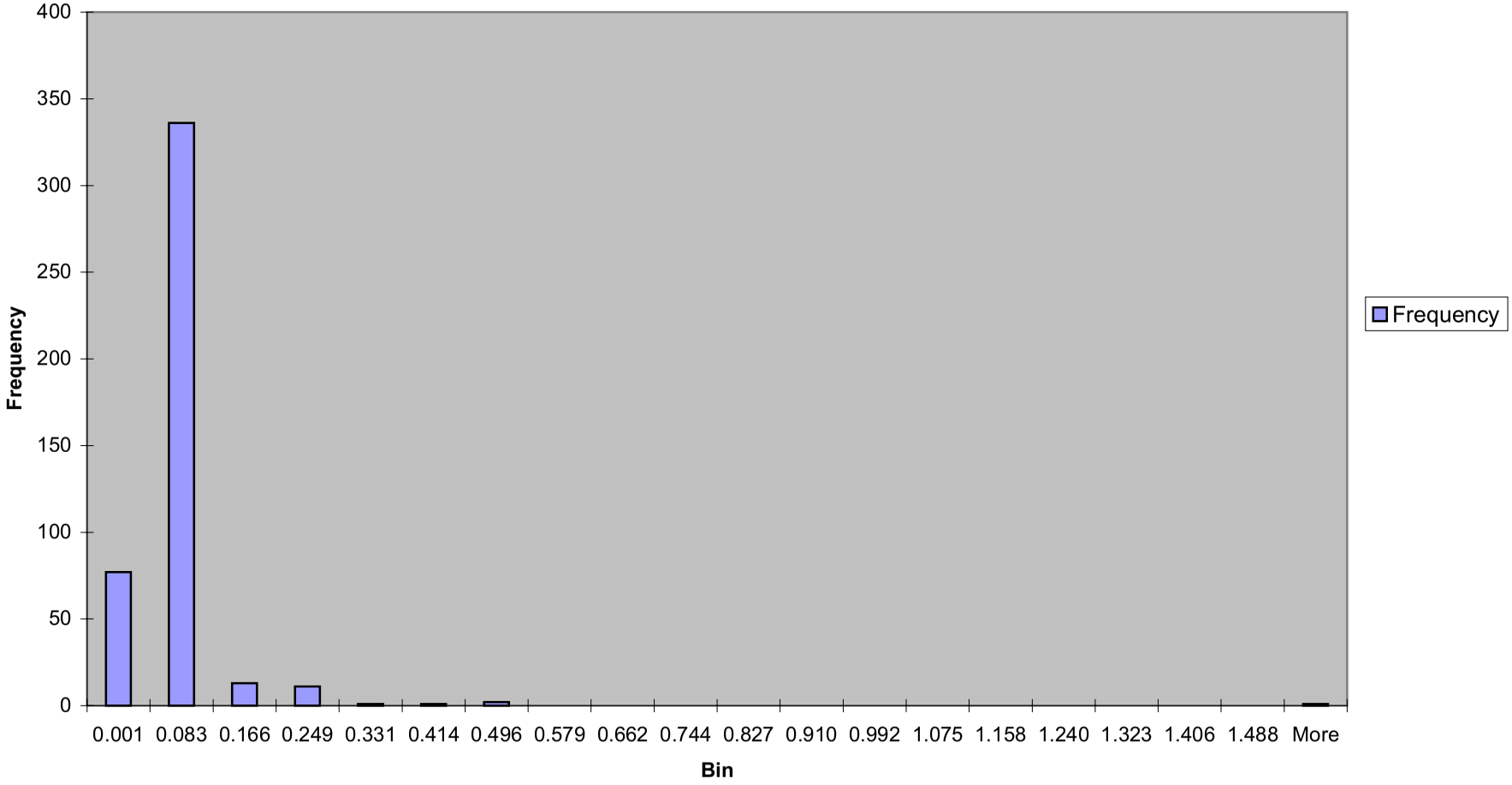
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Histogram - Eastbound



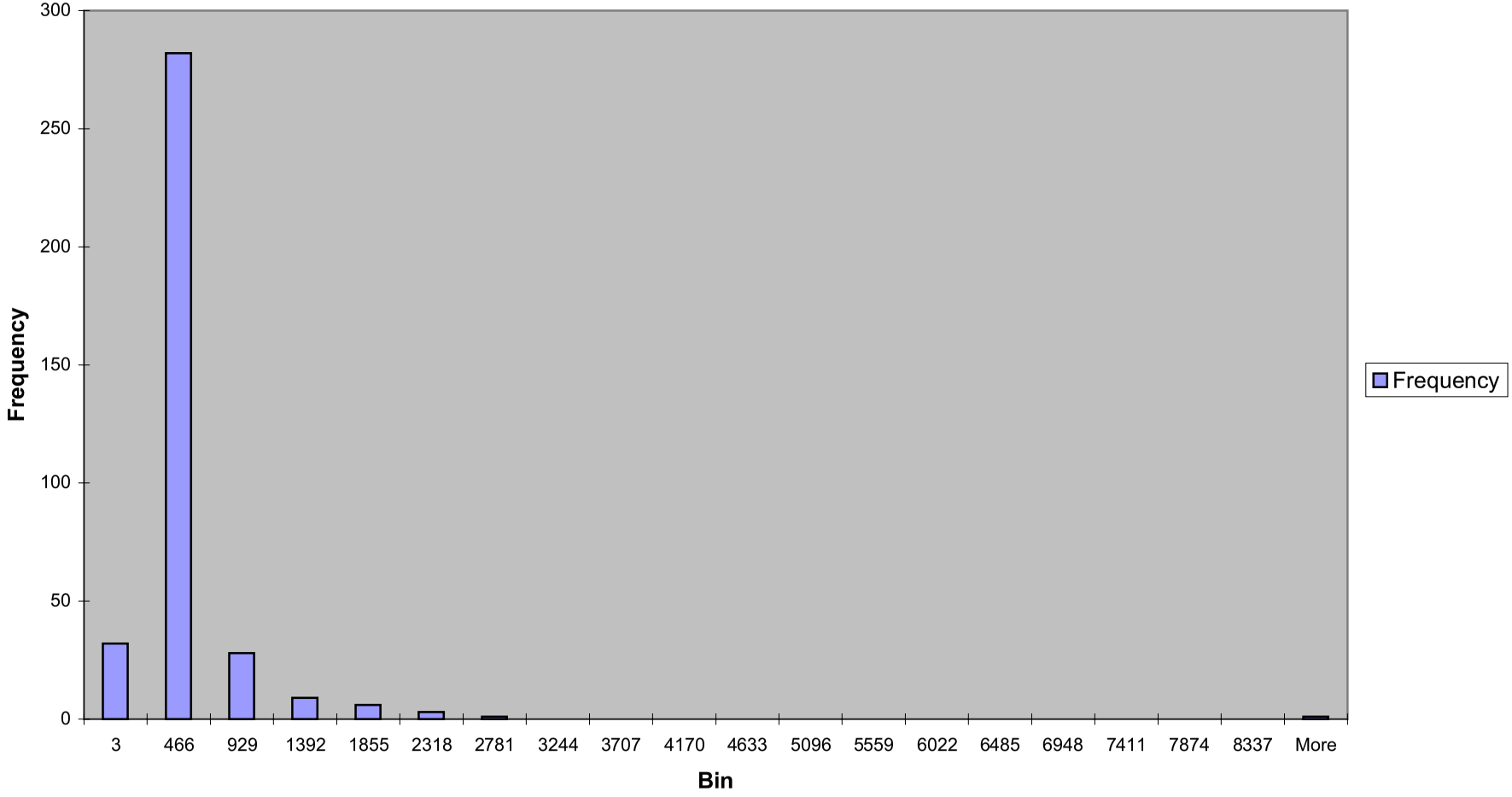
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Transformed Histogram - Eastbound



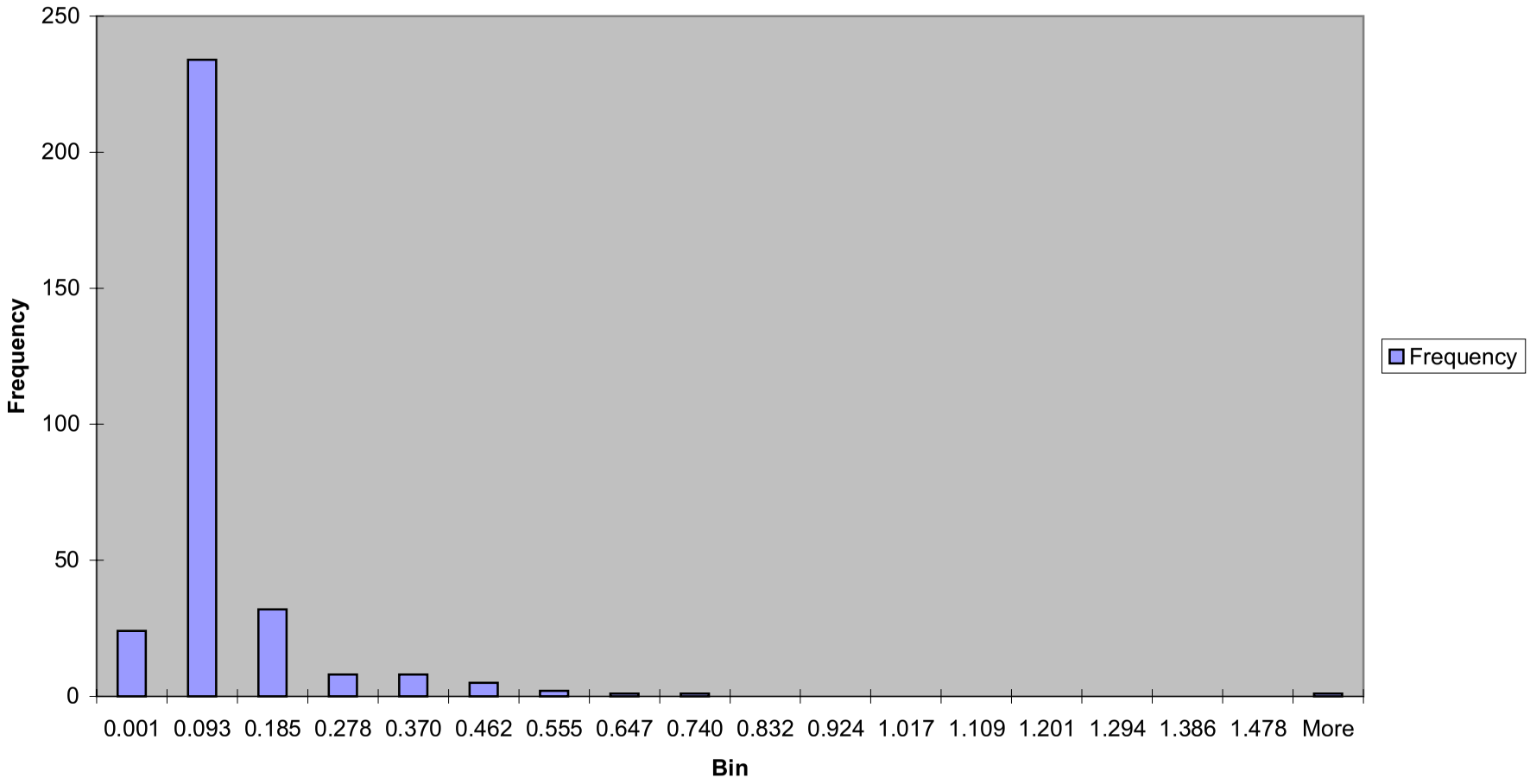
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

Histogram - Wesbound

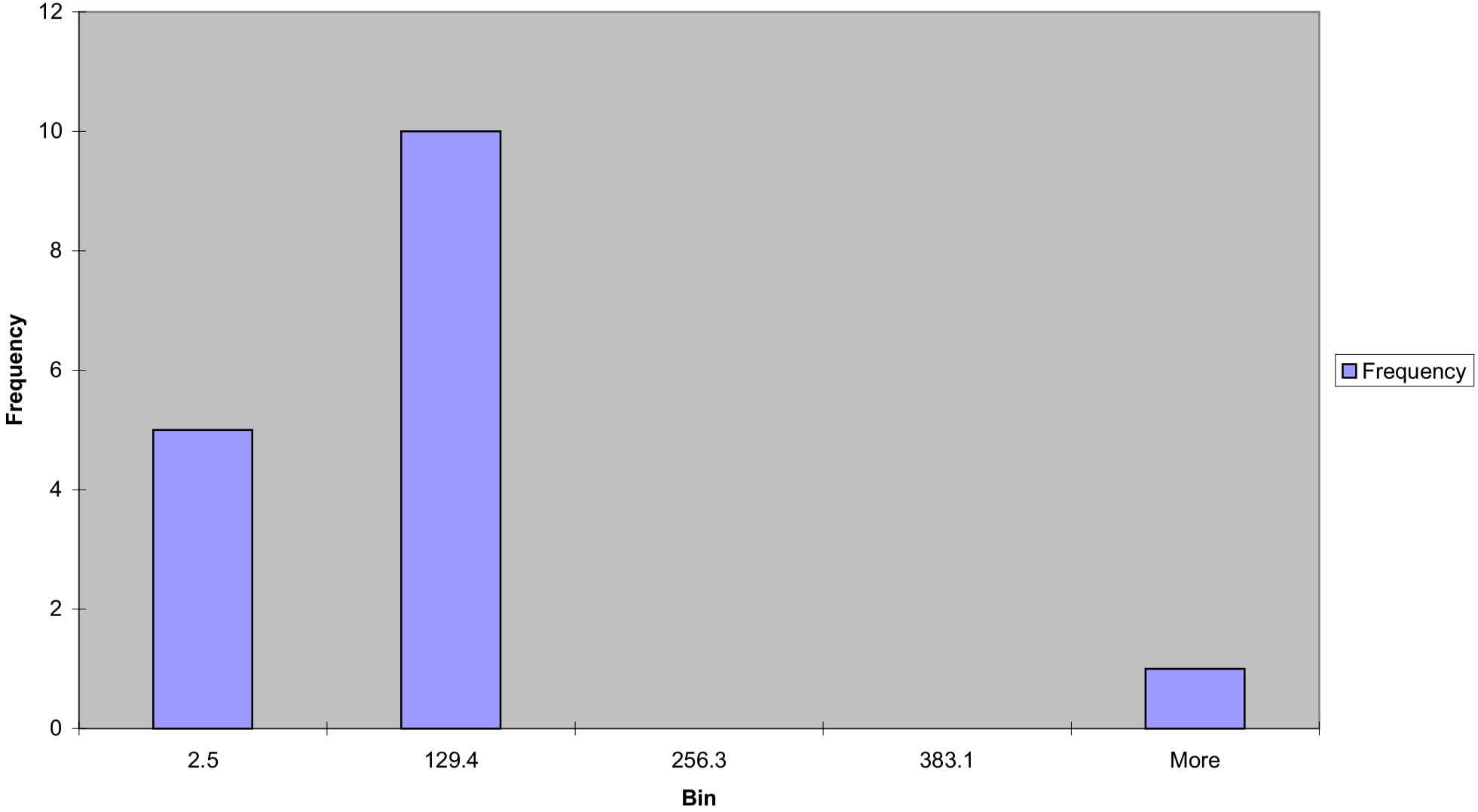


ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411

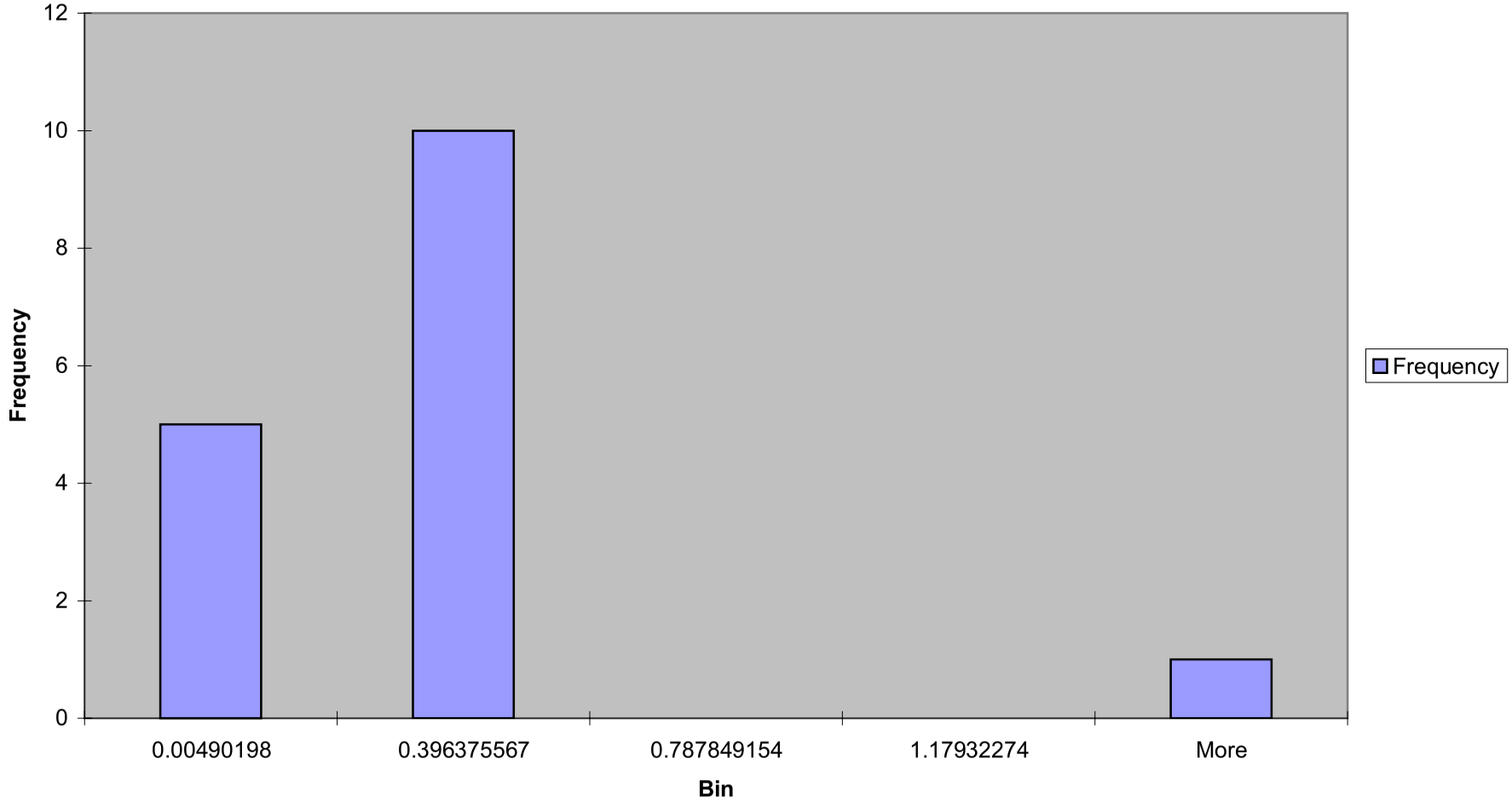
Transformed Histogram - Wesbound



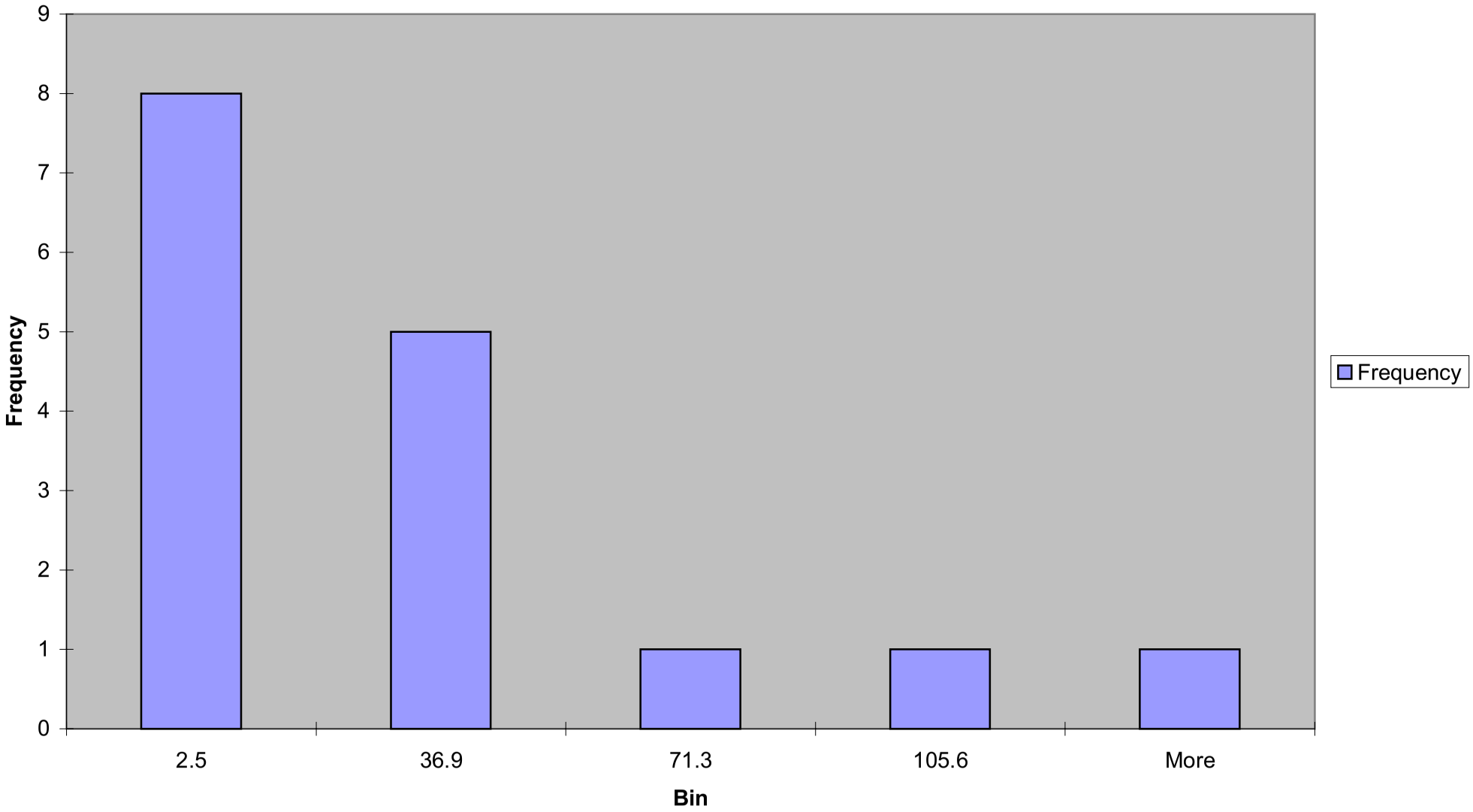
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Histogram - Bridge 3



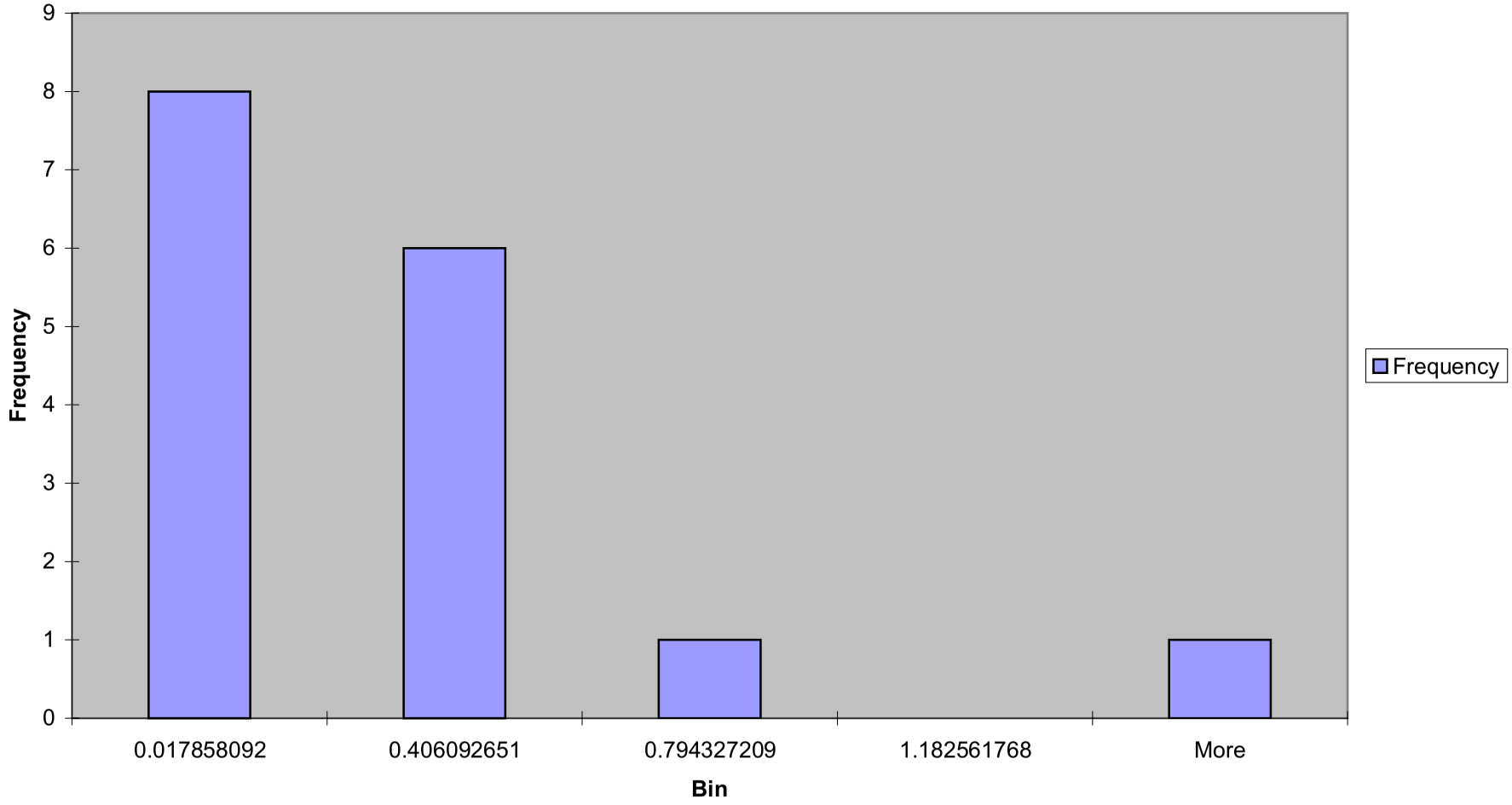
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Transformed Histogram - Bridge 3



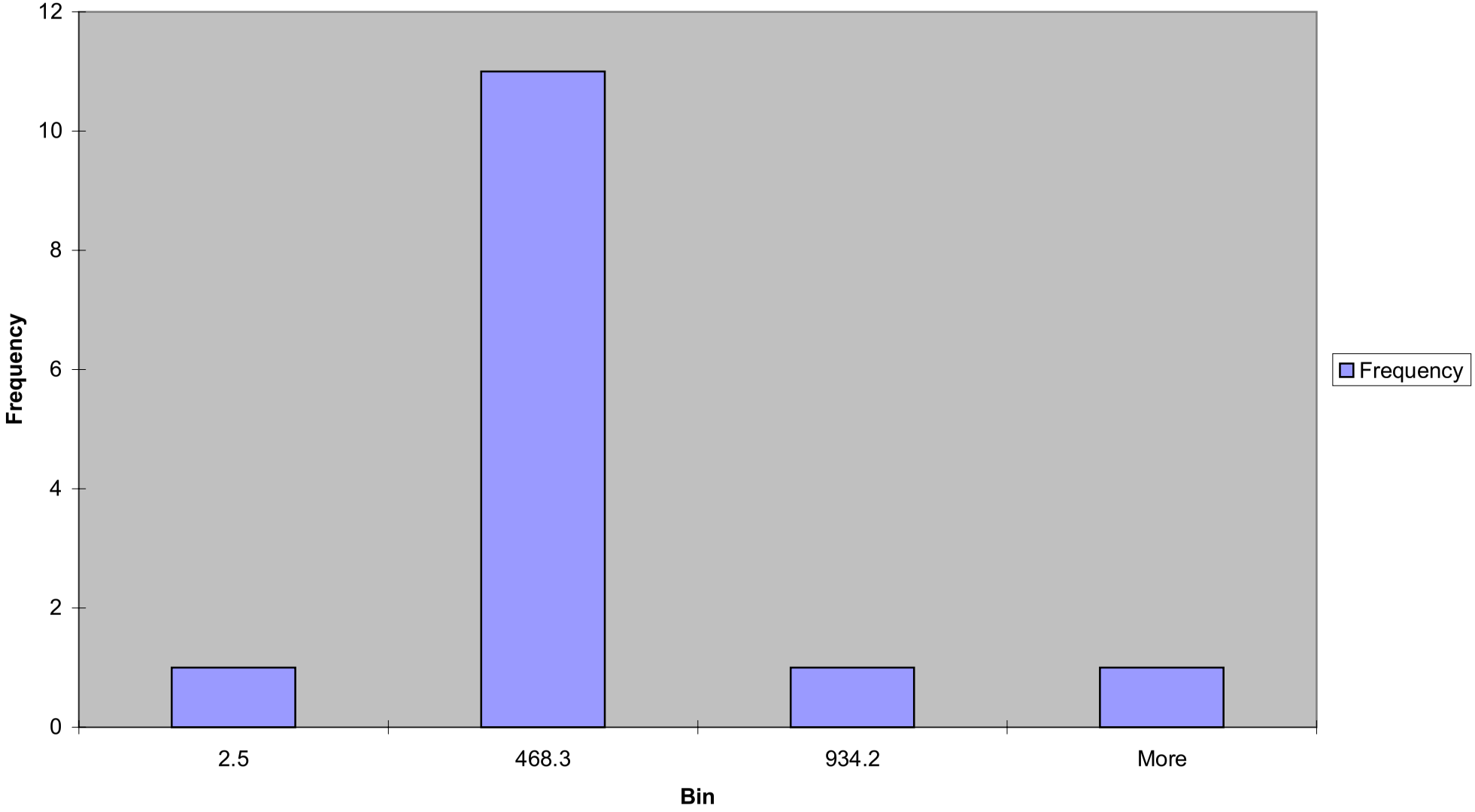
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Histogram - Bridge 4



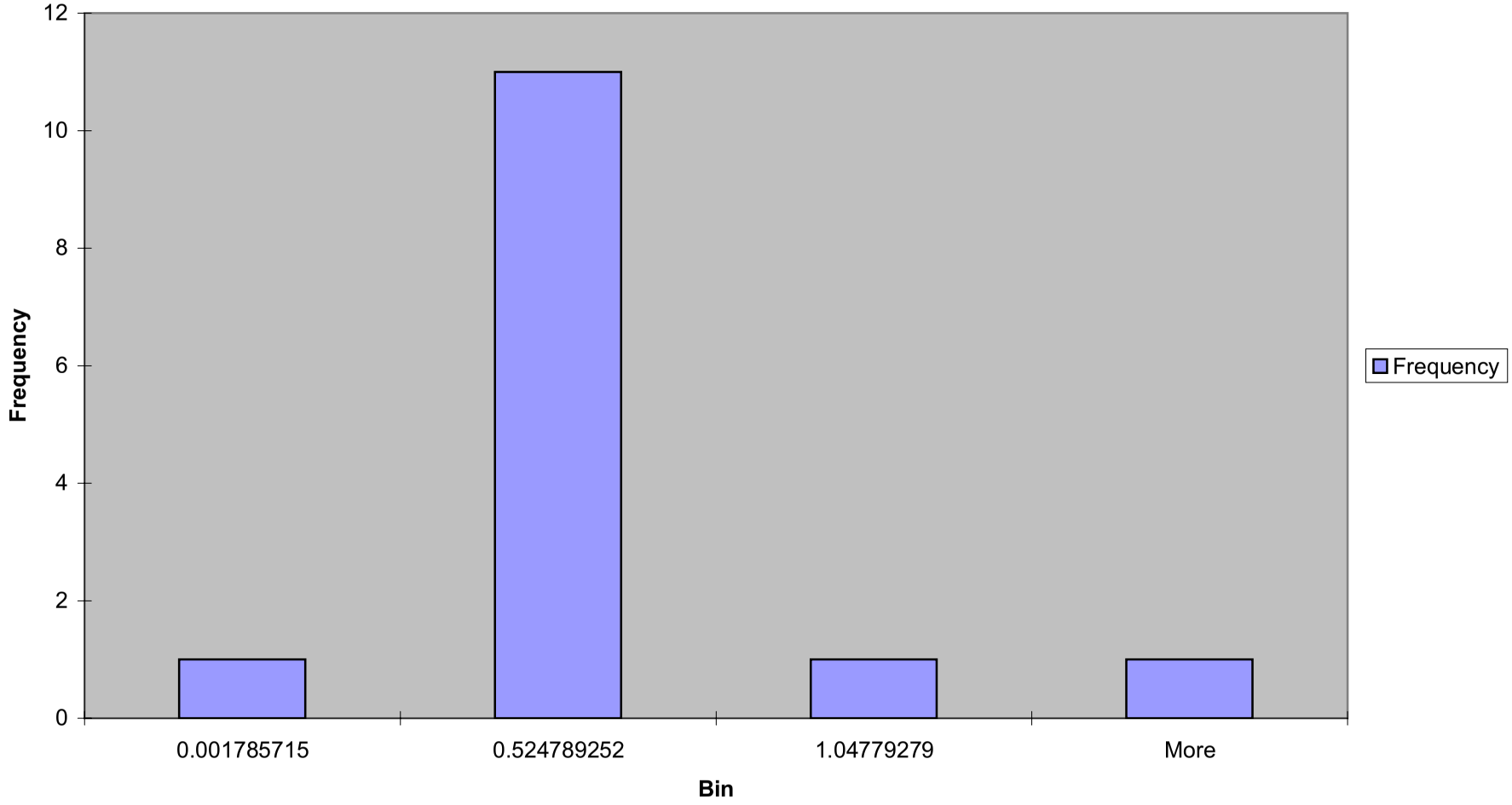
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Transformed Histogram - Bridge 4



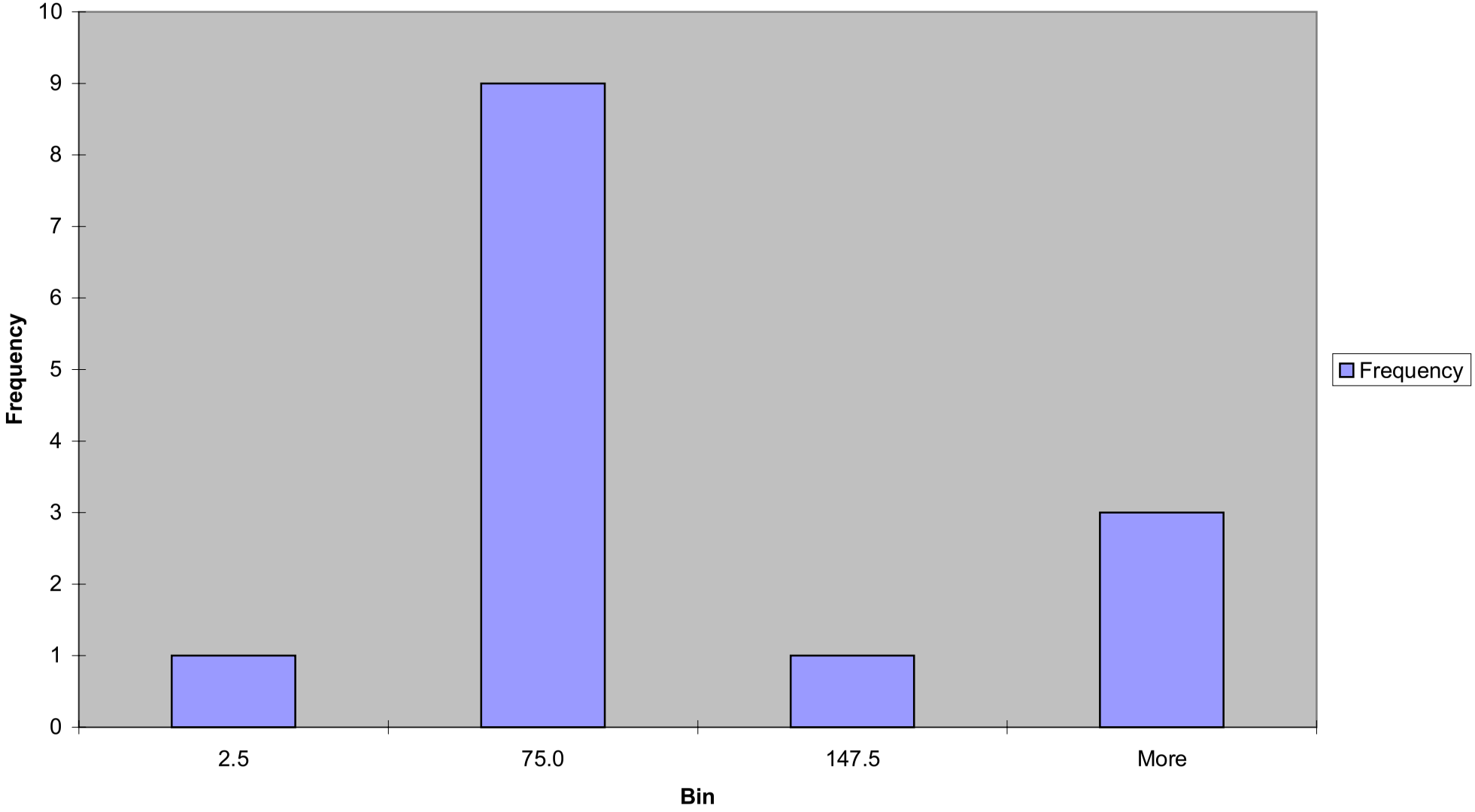
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Histogram - Bridge 5



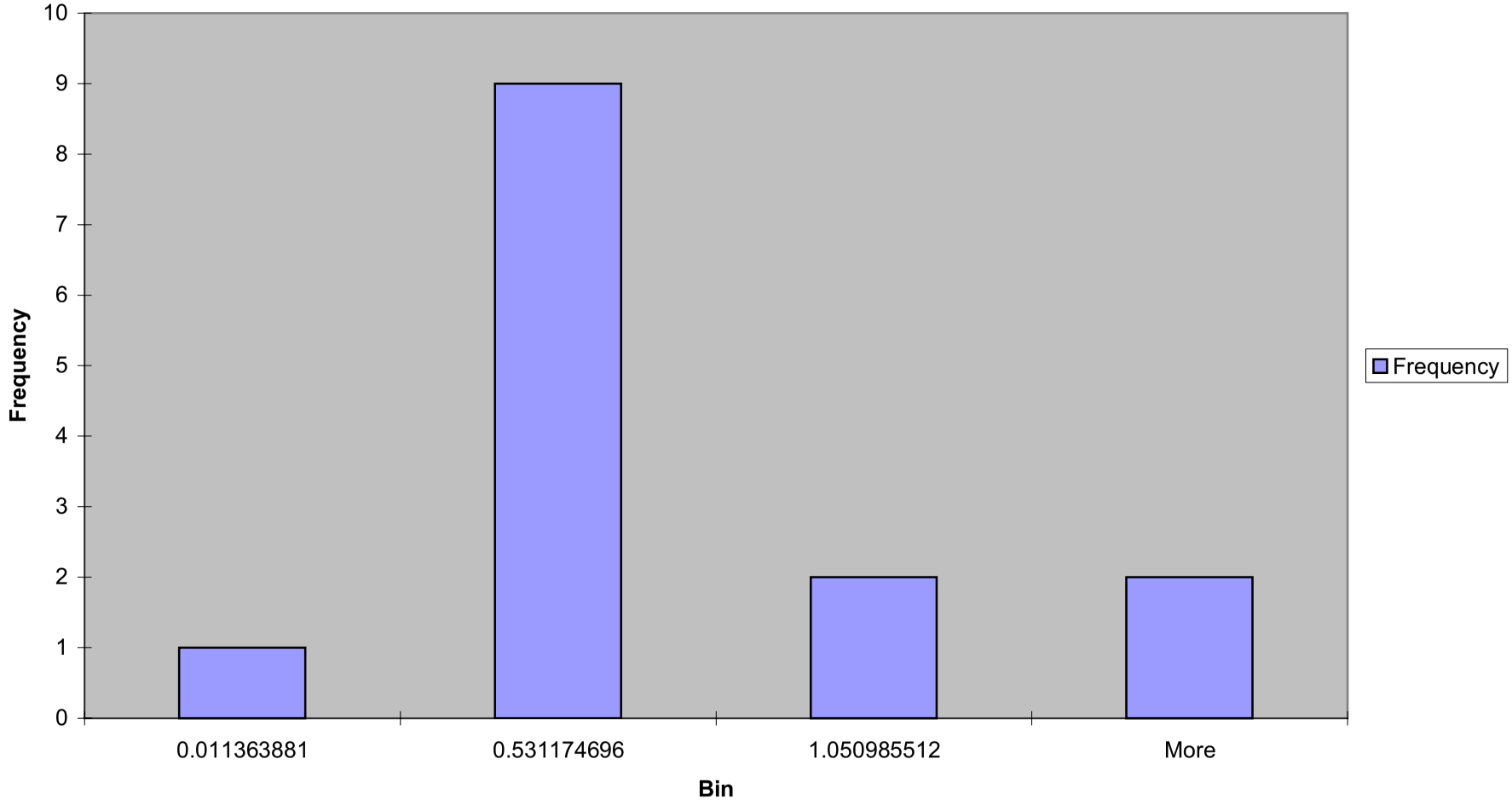
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Transformed Histogram - Bridge 5



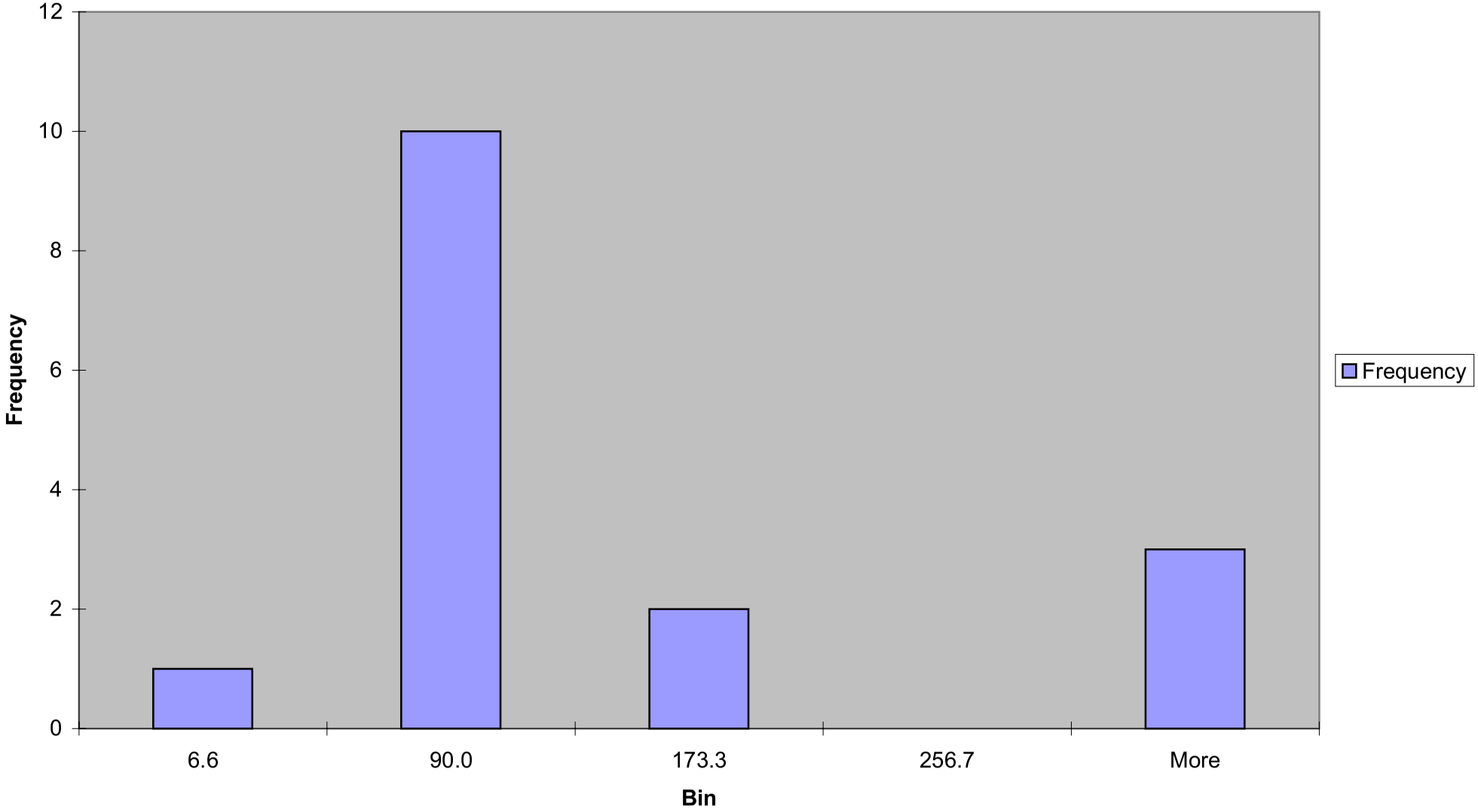
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Histogram - Bridge 6



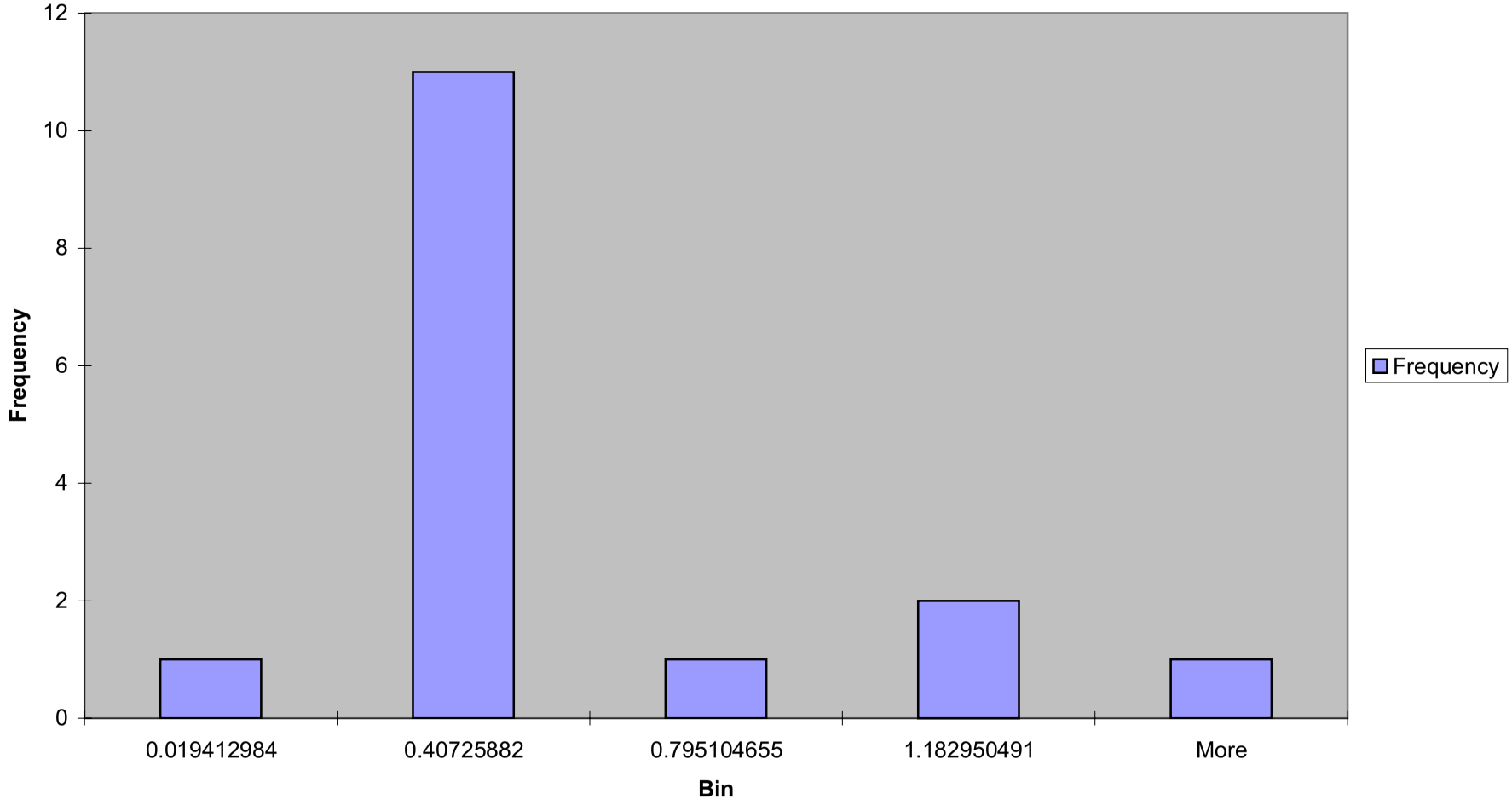
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Transformed Histogram - Bridge 6

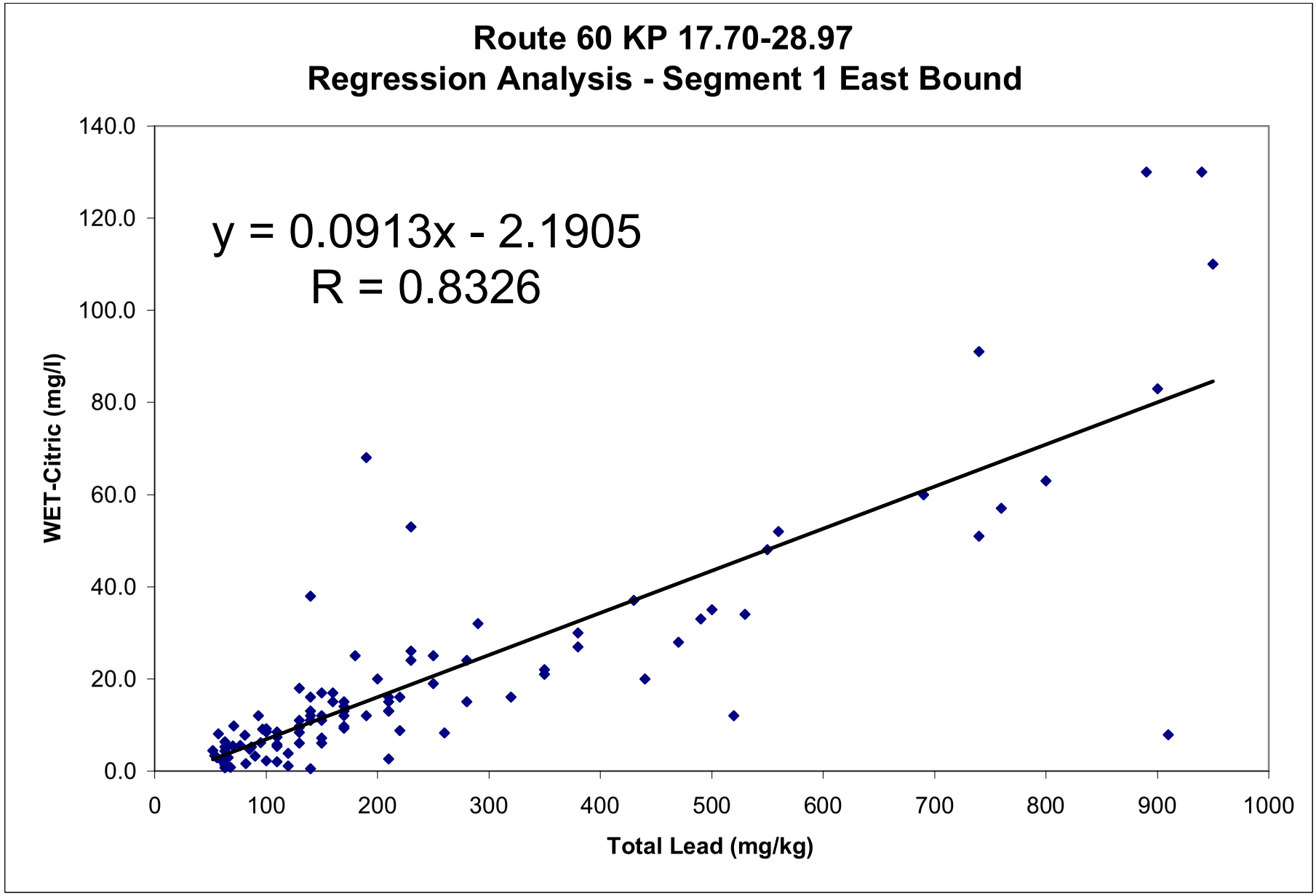


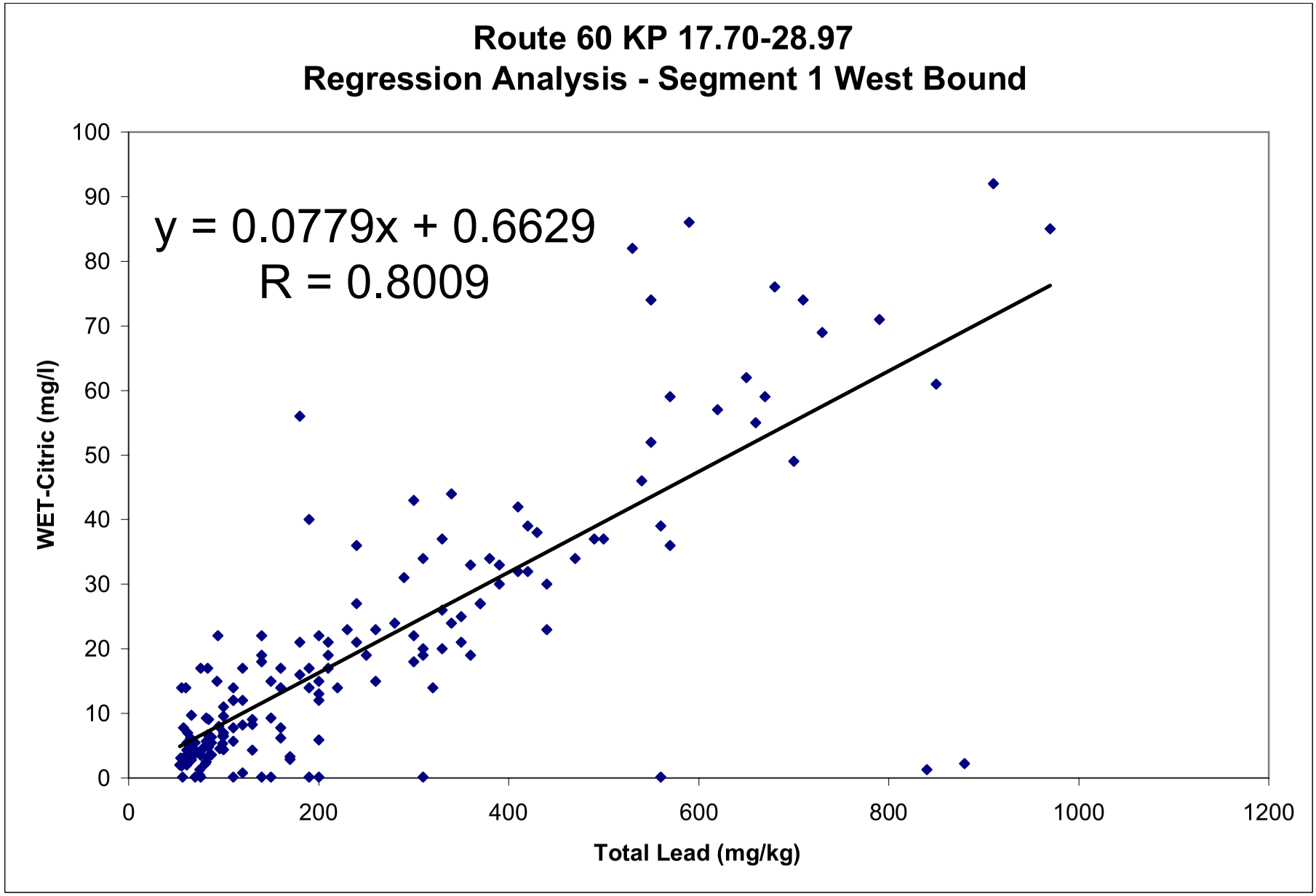
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Histogram - Bridge 7

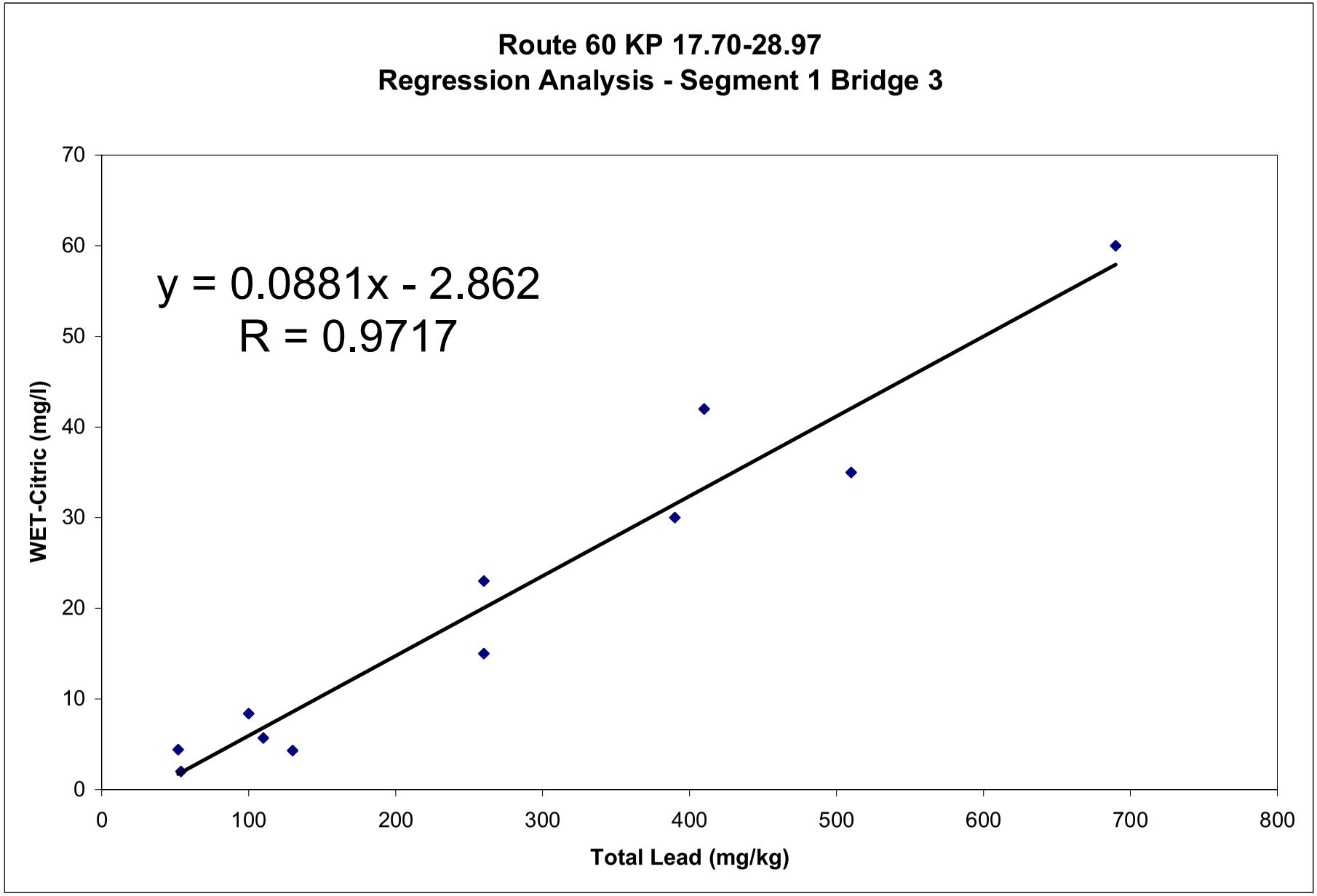


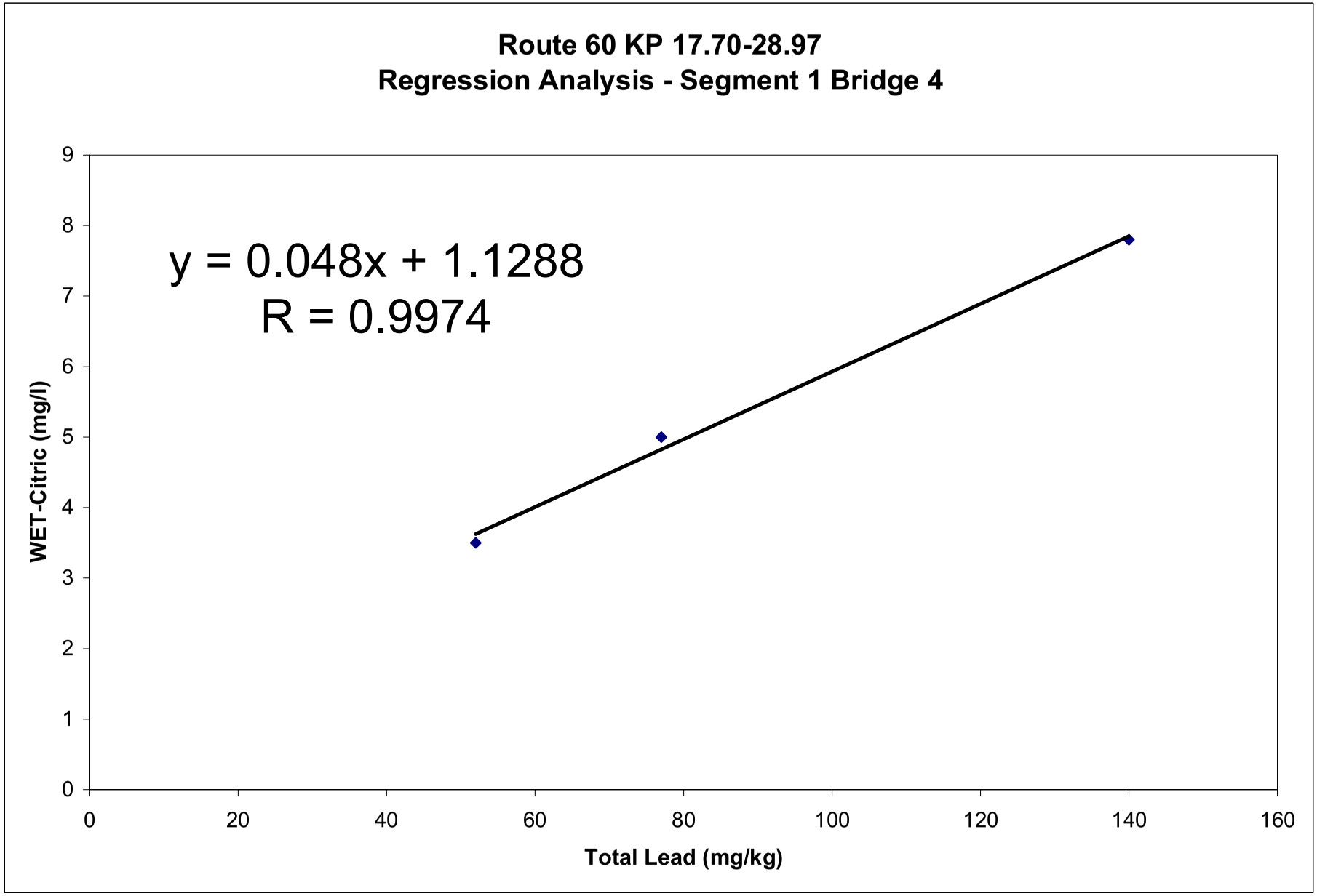
ROUTE 60 KP 17.70-28.97
CALTRANS TO 07-129411-3C
SEGMENT 1, EA 129411
Transformed Histogram - Bridge 7

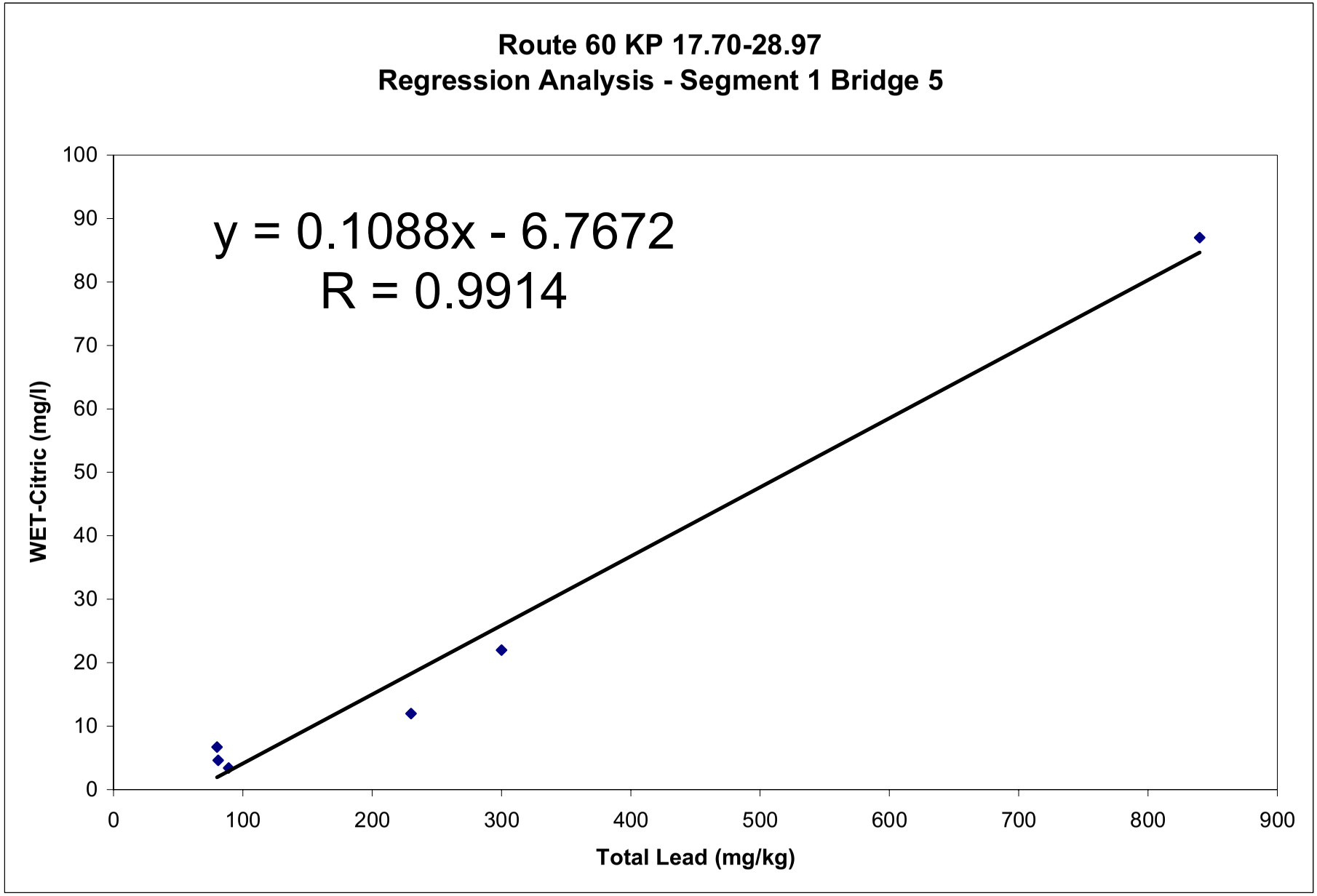


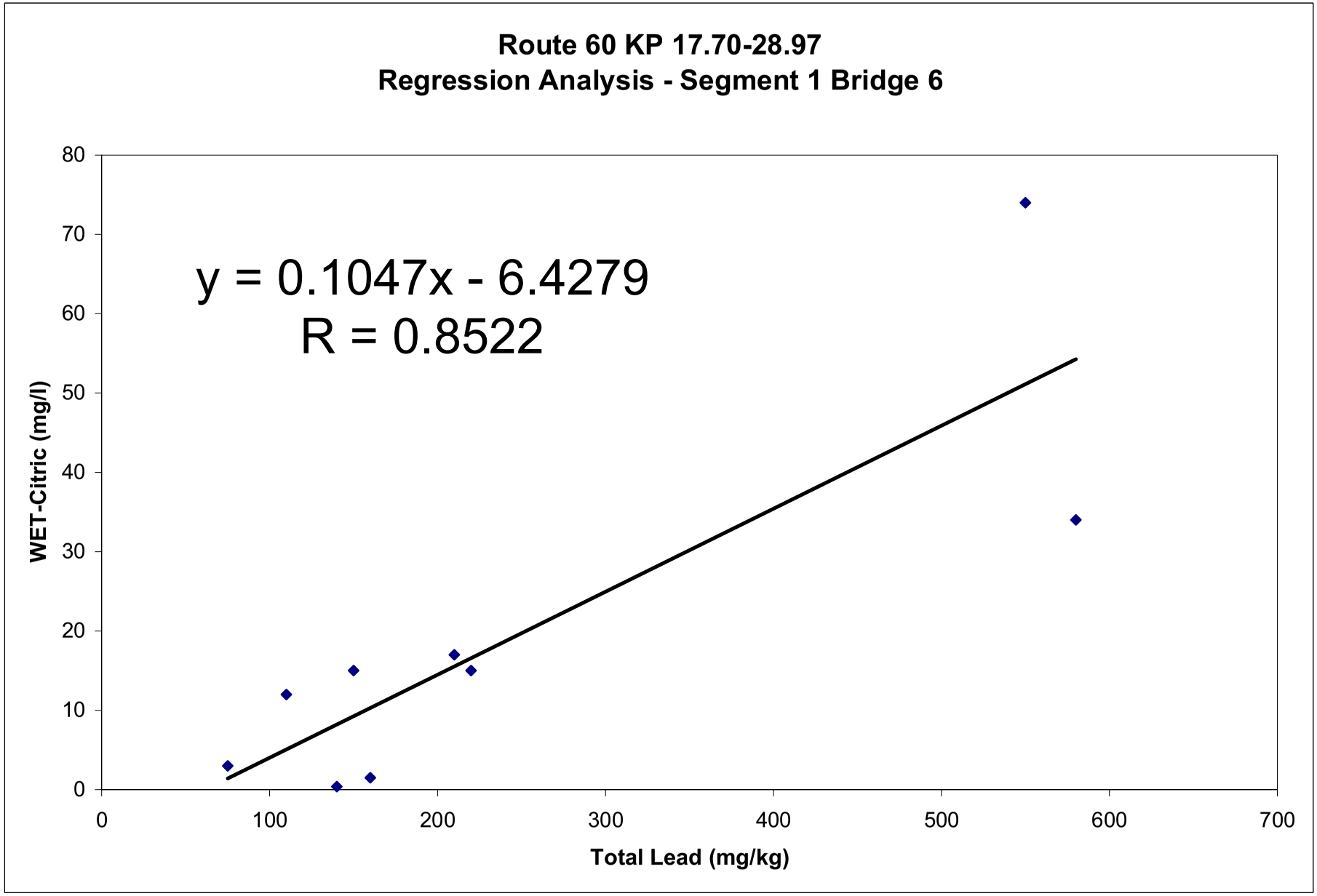

Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 East Bound
y = 0.0913x - 2.1905
R = 0.8326
WET-Citric (mg/l)
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
0
100
200
300
400
500
600
700
800
900
1000
Total Lead (mg/kg)

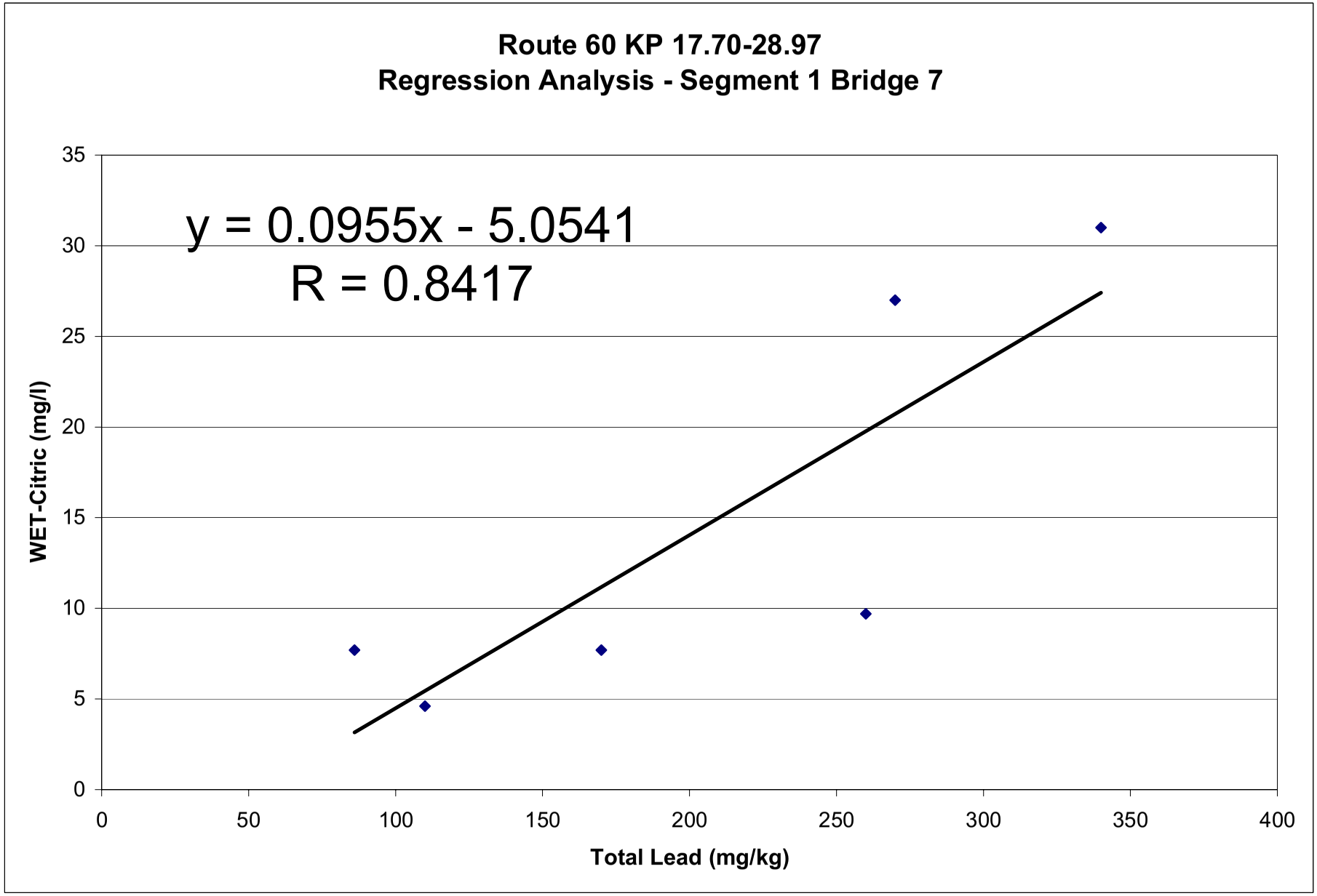

Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 West Bound
y = 0.0779x + 0.6629
R = 0.8009
WET-Citric (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
80
90
100
0
200
400
600
800
1000
1200


Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 Bridge 3
y = 0.0881x - 2.862
R = 0.9717
WET-Citric (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
0
100
200
300
400
500
600
700
800


Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 Bridge 4
y = 0.048x + 1.1288
R = 0.9974
WET-Citric (mg/l)
Total Lead (mg/kg)
0
1
2
3
4
5
6
7
8
9
0
20
40
60
80
100
120
140
160

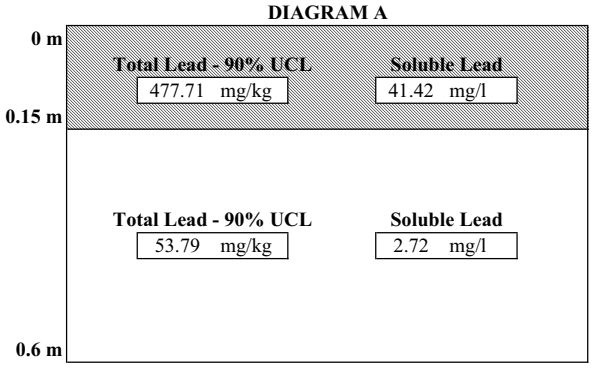

Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 Bridge 5
y = 0.1088x - 6.7672
R = 0.9914
WET-Citric (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
80
90
100
0
100
200
300
400
500
600
700
800
900

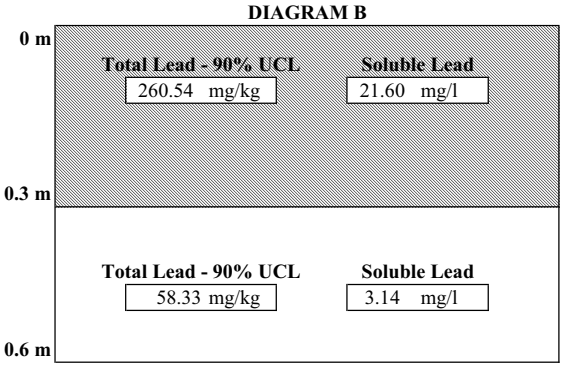

Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 Bridge 6
y = 0.1047x - 6.4279
R = 0.8522
WET-Citric (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700


Route 60 KP 17.70-28.97
Regression Analysis - Segment 1 Bridge 7
y = 0.0955x - 5.0541
R = 0.8417
WET-Citric (mg/l)
Total Lead (mg/kg)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 1
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution





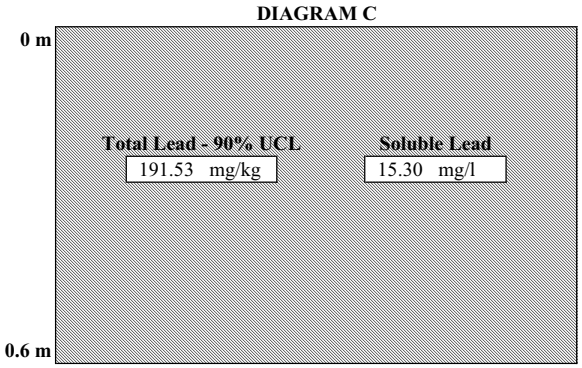


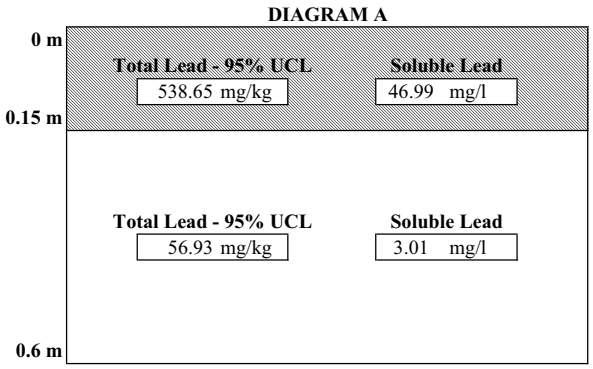
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

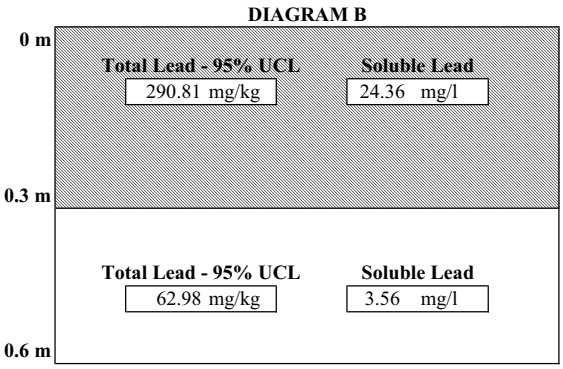
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 477.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 53.8 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 1
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution





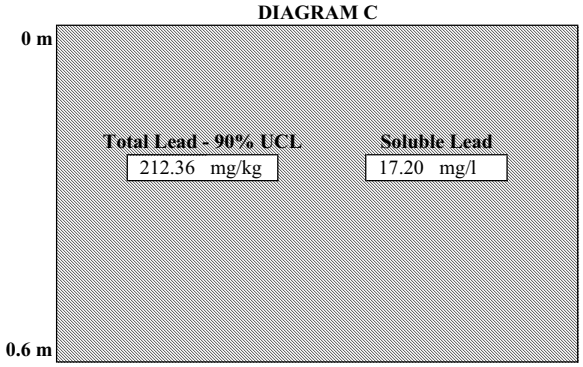


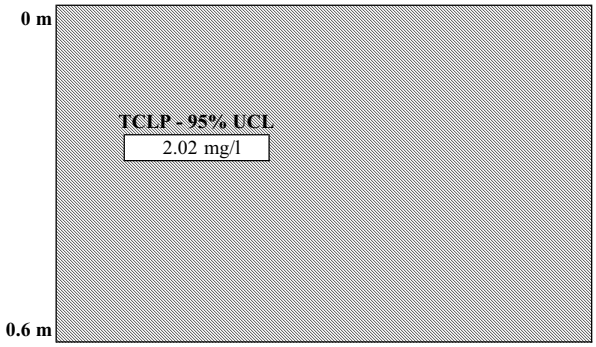
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 538.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentratio 56.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 1

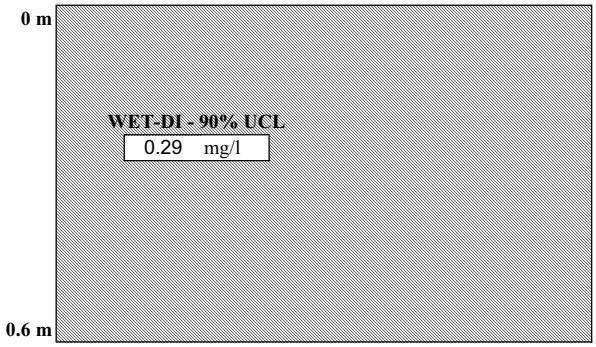
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 1

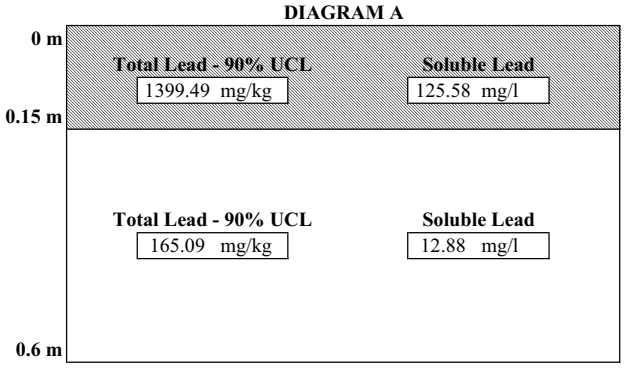
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

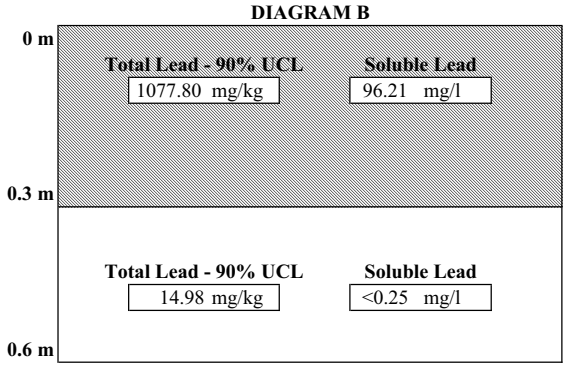


The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 2, Borings 127-129 (KP 20.5/20.7)
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution





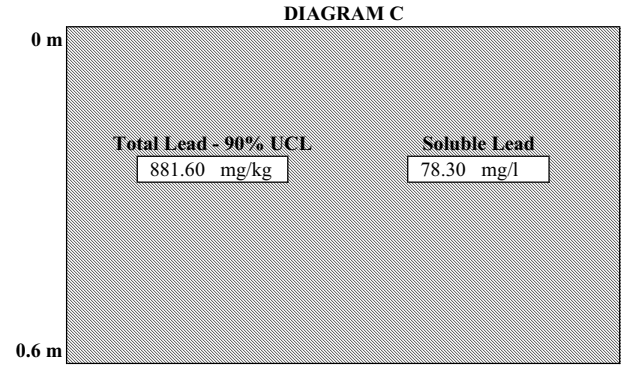


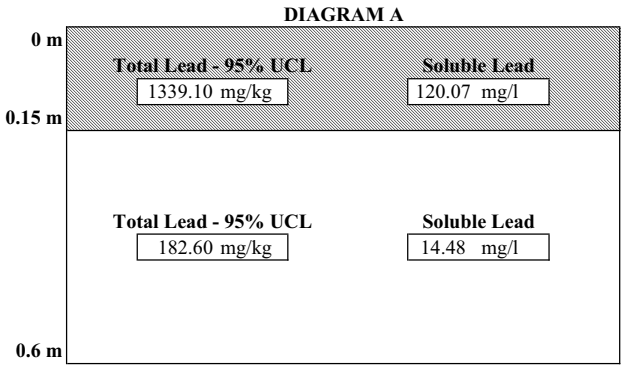
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

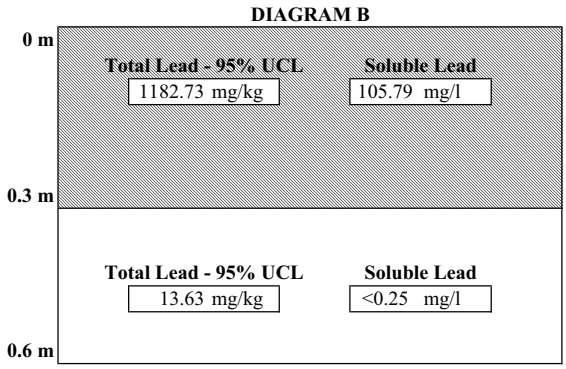
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1399.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 165.1 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 2, Borings 127-129 (KP 20.5/20.7)
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution





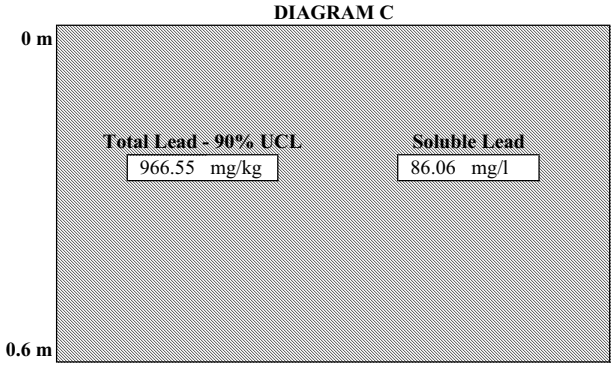


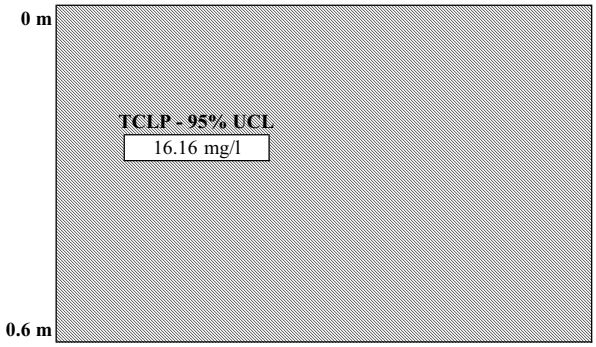
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1339.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 182.6 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 2, Borings 127-129

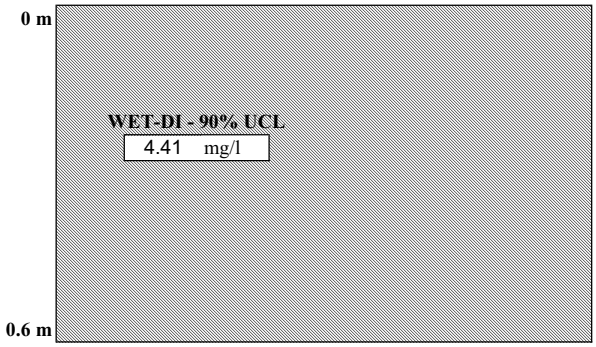
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 2, Borings 127-129 (KP 20.5/20.7)

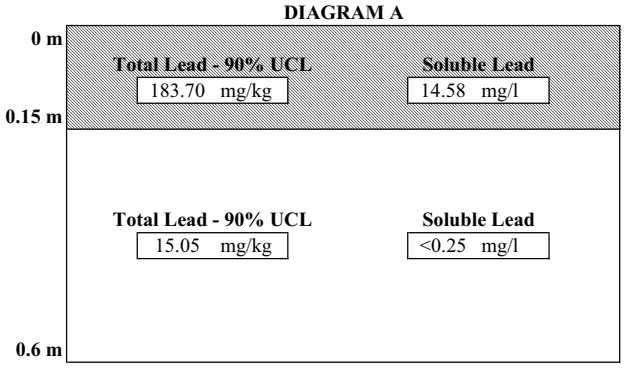
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

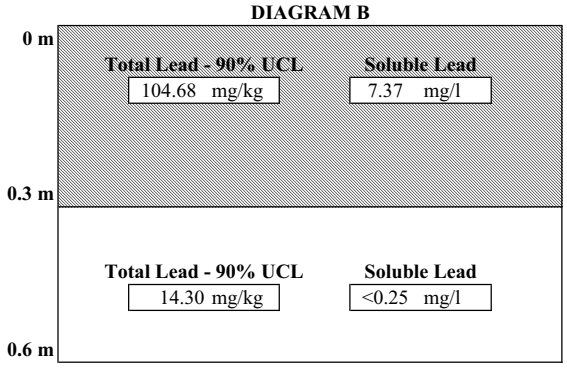


The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 2 - Remaining (KP 19.6/20.5 and KP 20.7/21.3)
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution





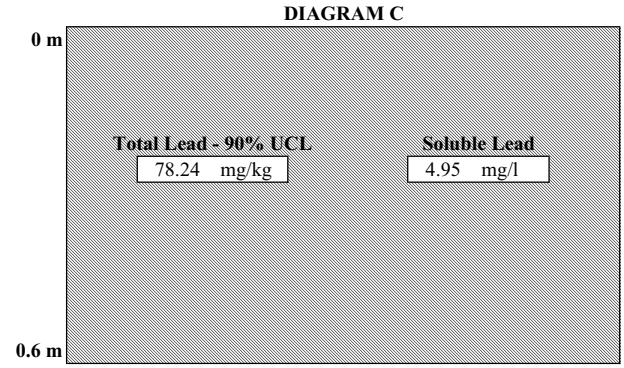


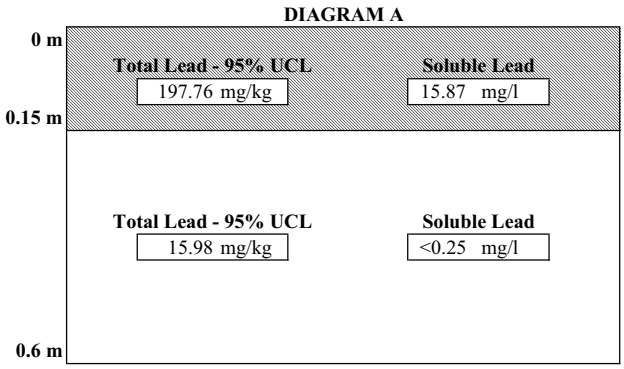
DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.3 m	of soil from the remaining underlying soil
DIAGRAM C --	Treat the entire	section	as a single unit

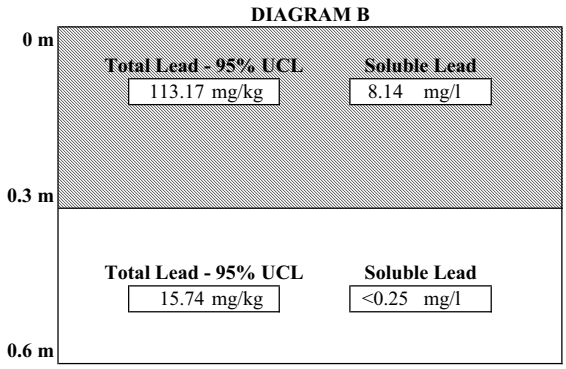
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 183.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 15.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 2 - Remaining (KP 19.6/20.5 and KP 20.7/21.3)
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution





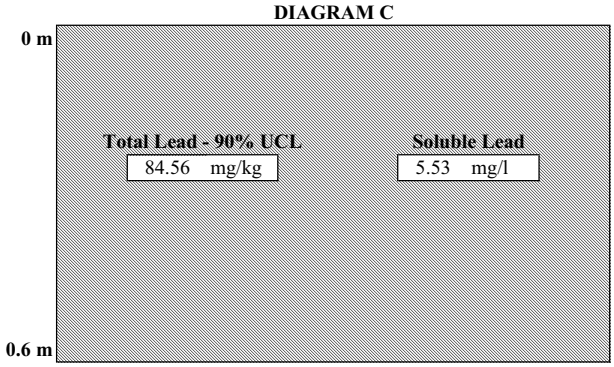


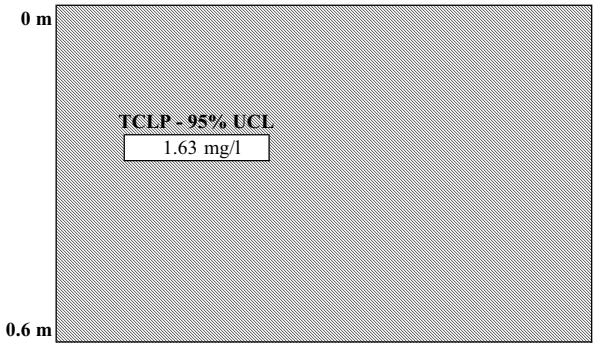
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 197.8 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 16.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 2 - Remaining (KP 19.6/20.5 and KP 20.7/21.3)

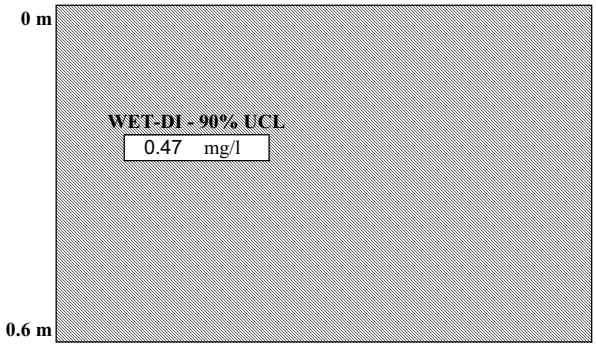
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 2 - Remaining (KP 19.6/20.5 and KP 20.7/21.3)

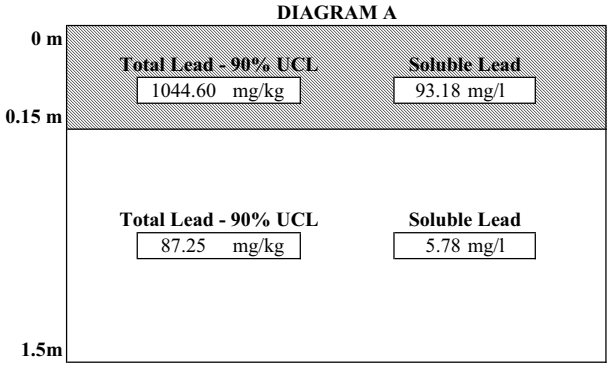
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

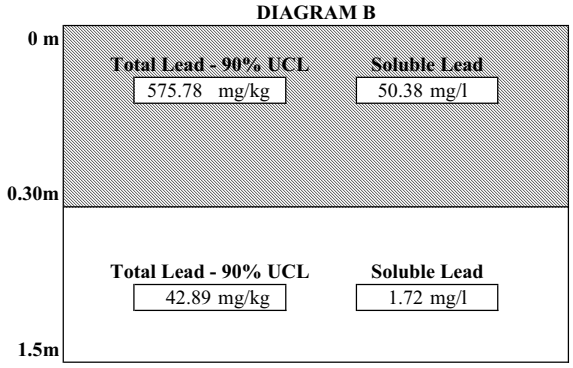


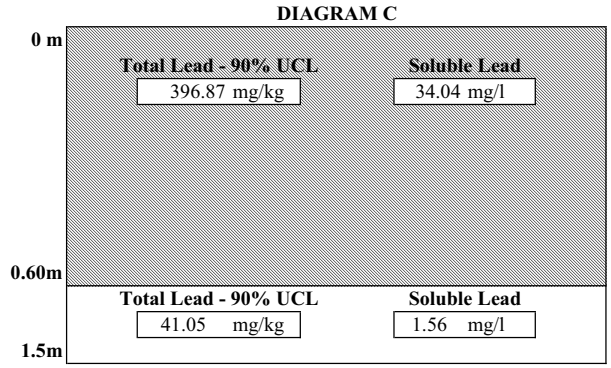
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 3
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







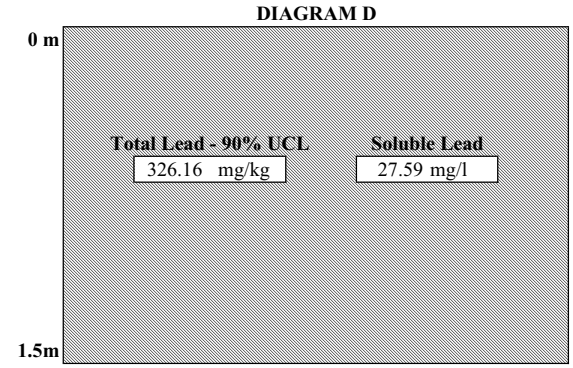


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1044.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 87.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 3
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

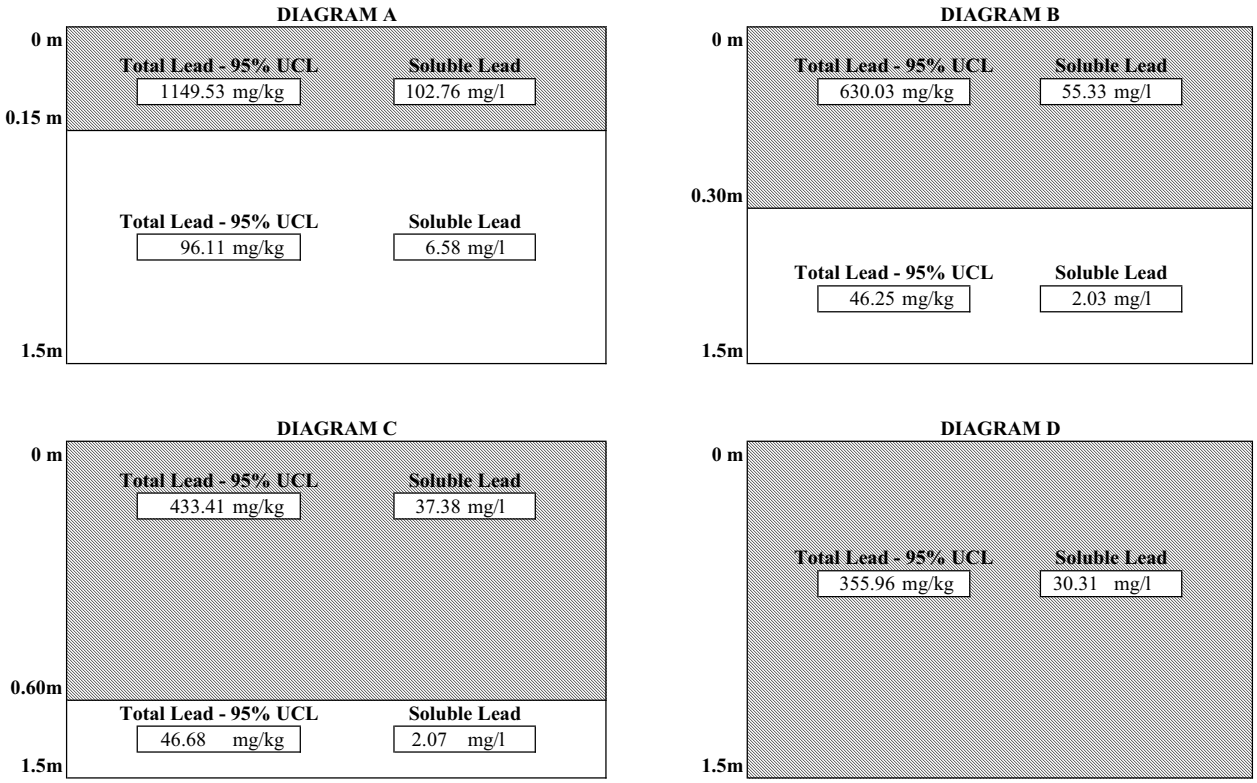


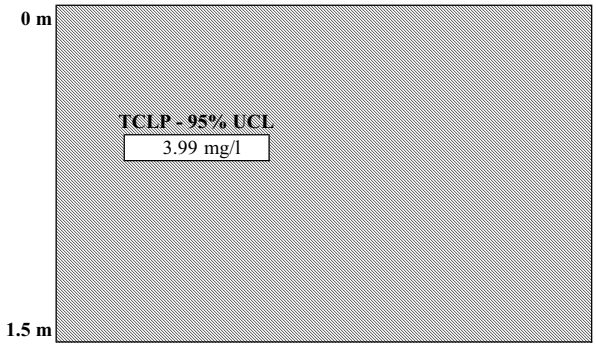
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1149.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 96.1 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 3

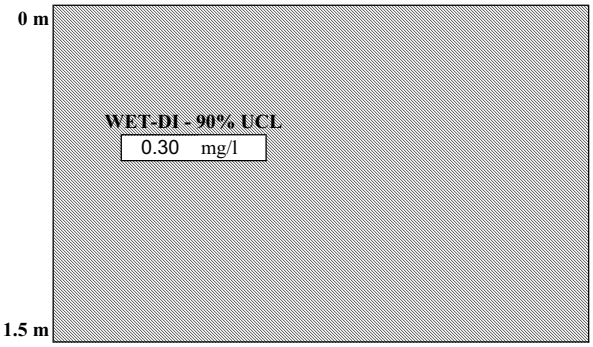
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 3

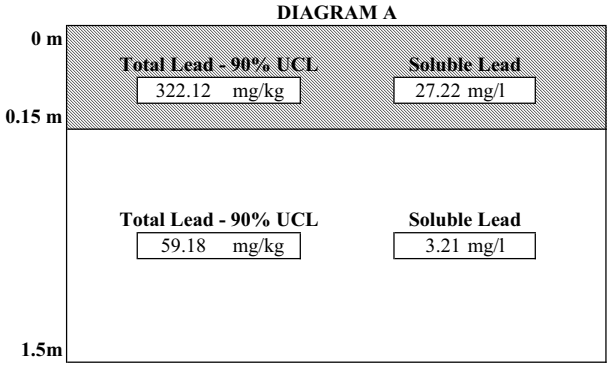
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

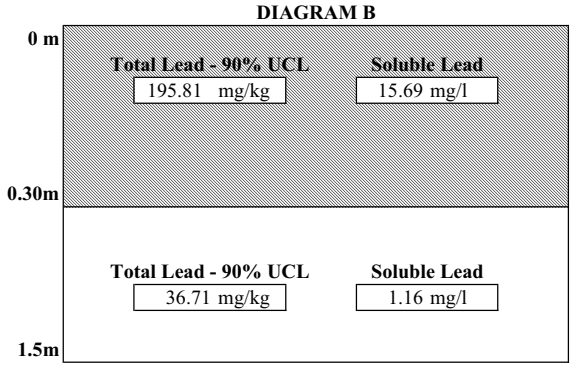


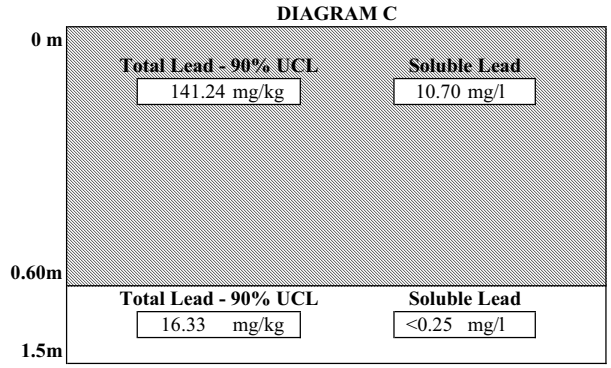
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 4
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







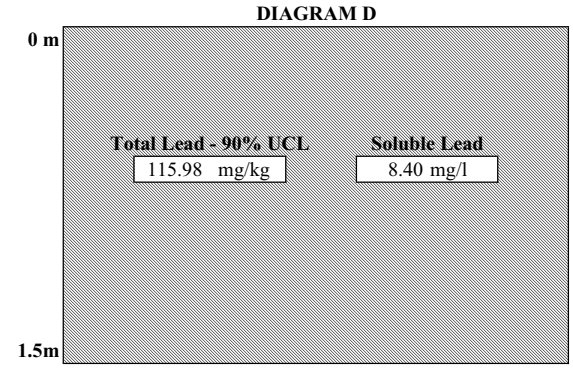


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 322.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 59.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 4
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

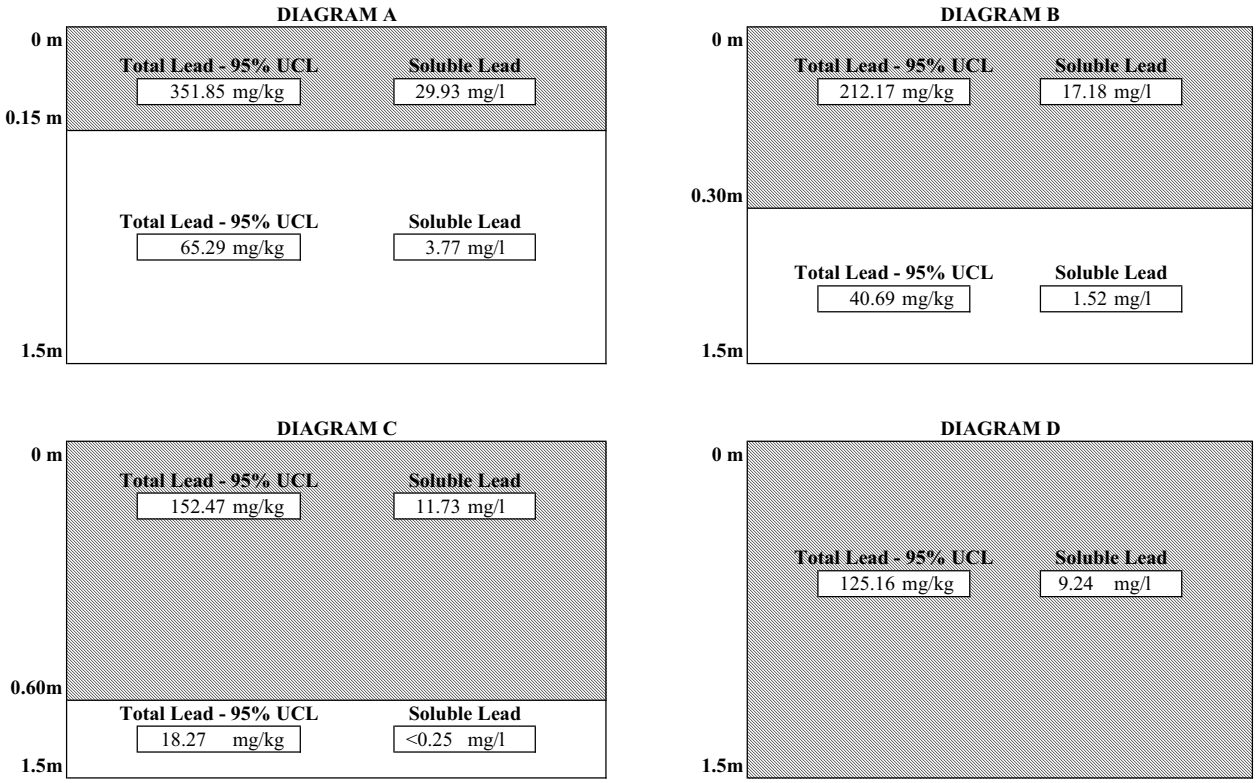


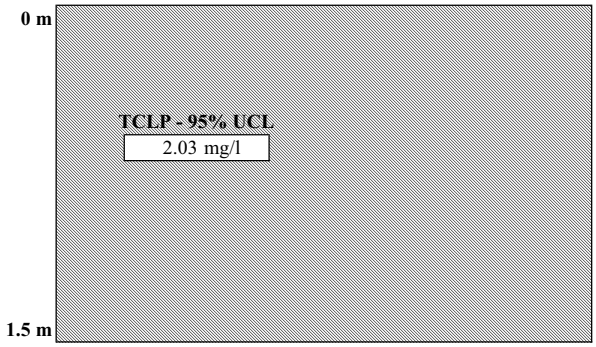
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 351.9 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 65.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 4

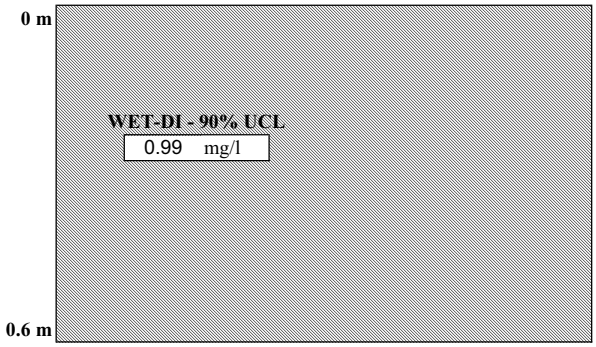
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 4

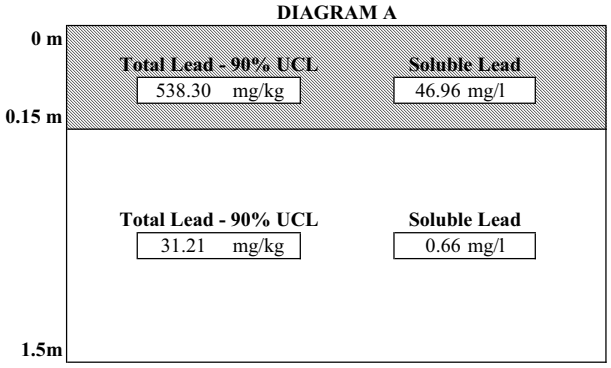
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

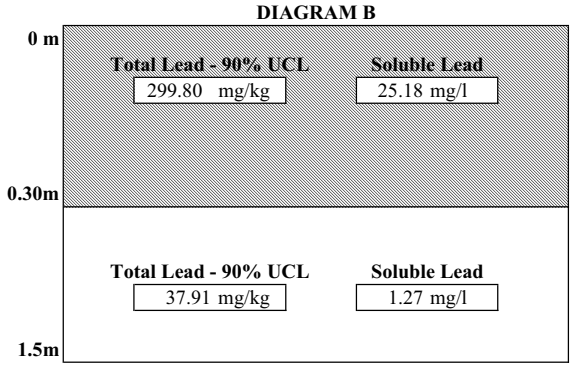


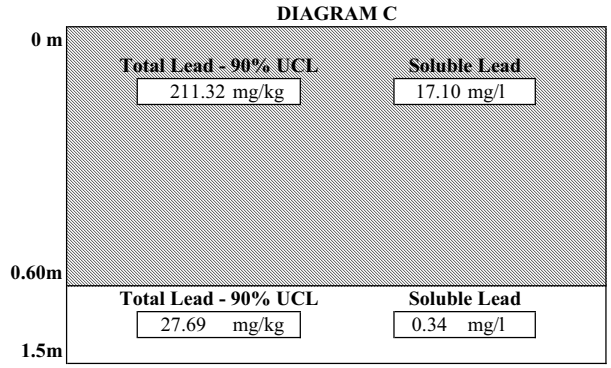
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 5
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







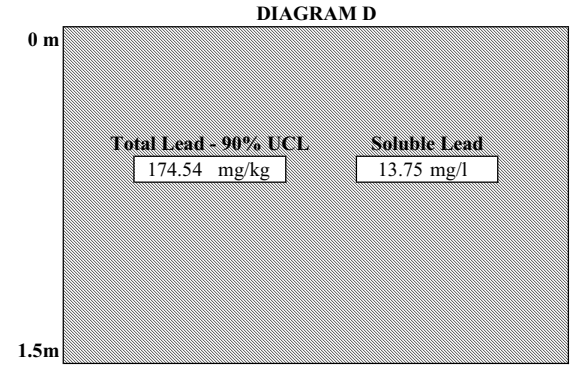


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 538.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 31.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 5
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

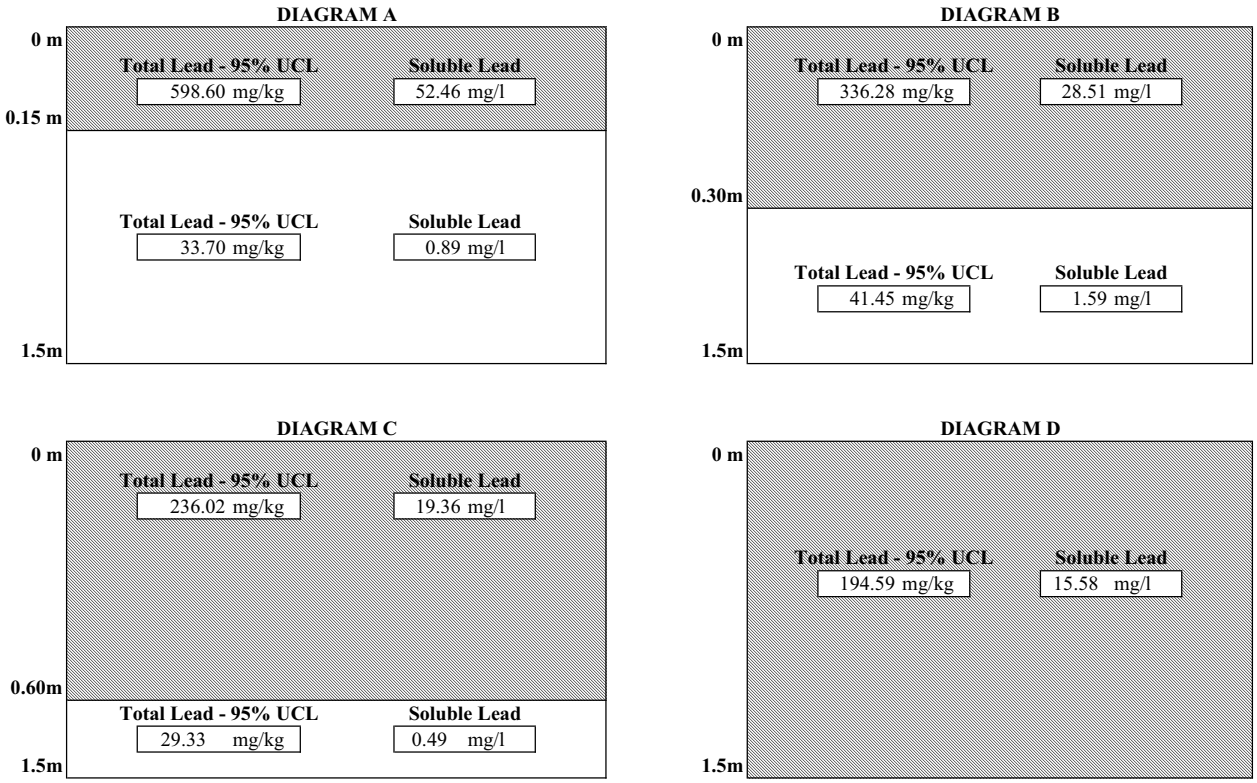


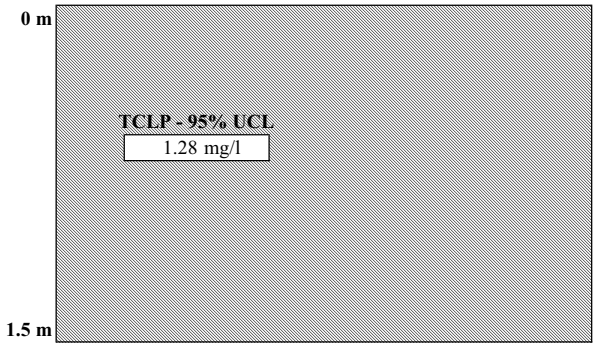
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 598.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 33.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 5

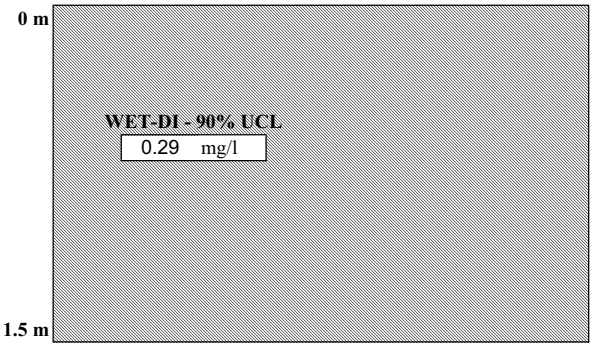
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 5

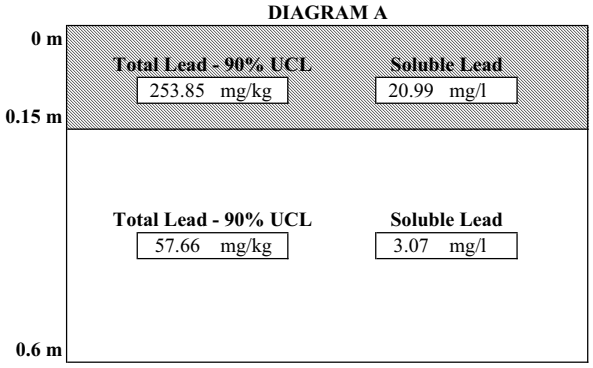
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

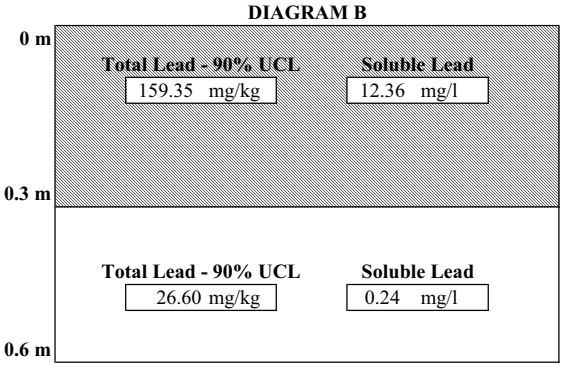


The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 6
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution





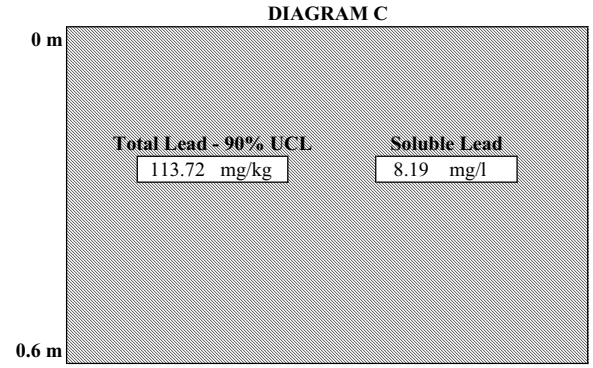


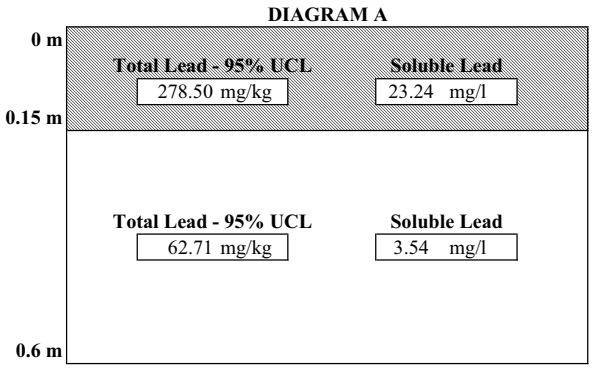
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

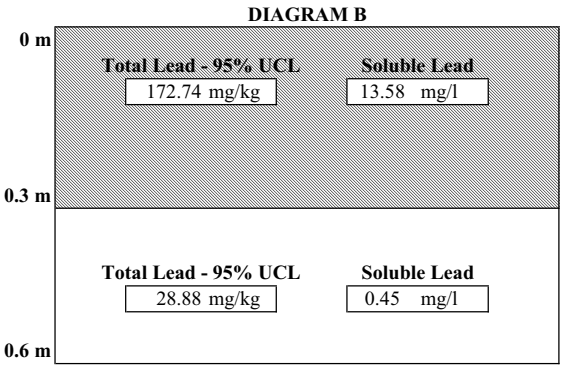
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 253.8 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 57.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 6
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution





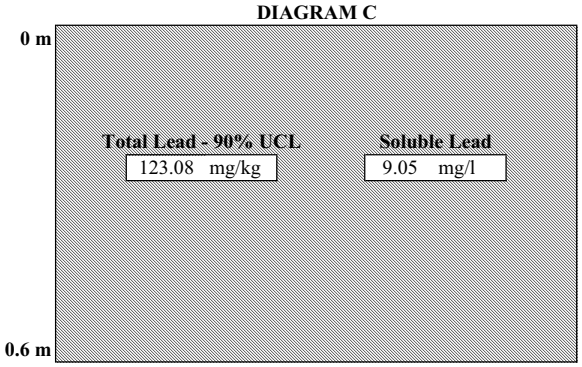


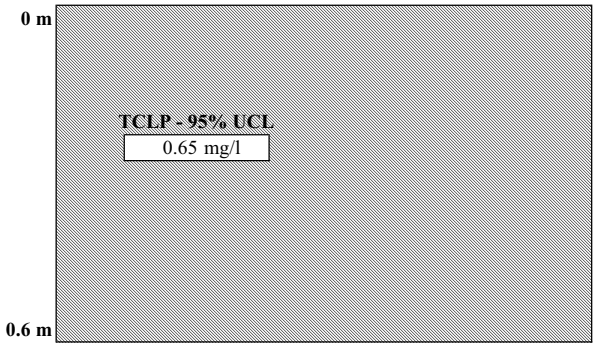
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 278.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentratio 62.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 6

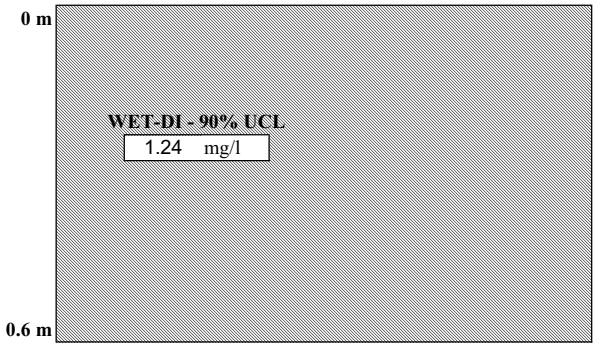
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 6

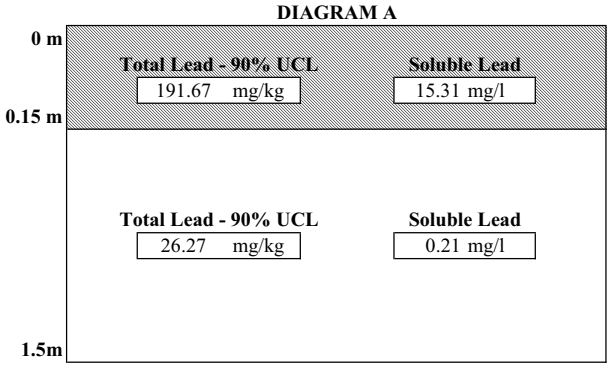
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

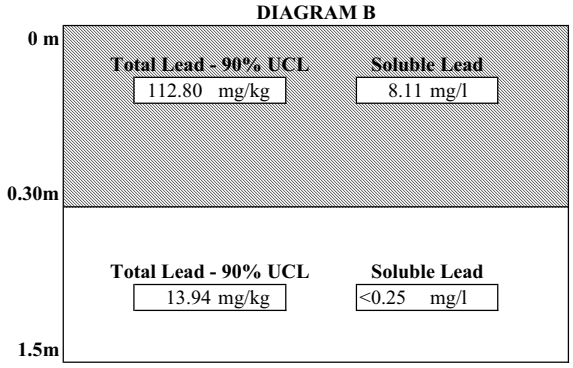


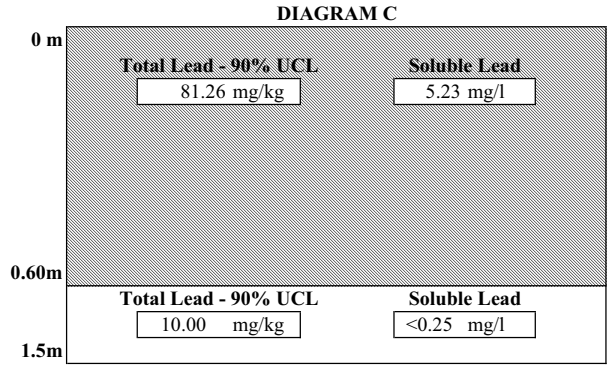
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 7
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







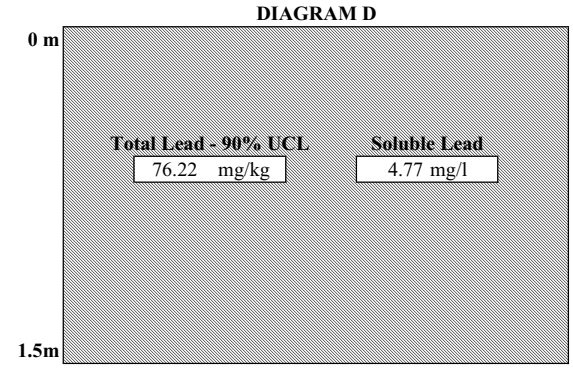


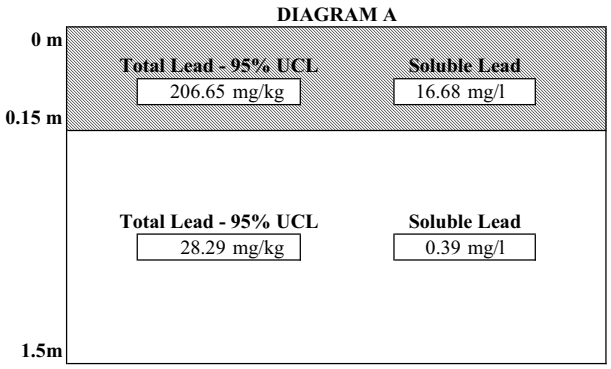
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

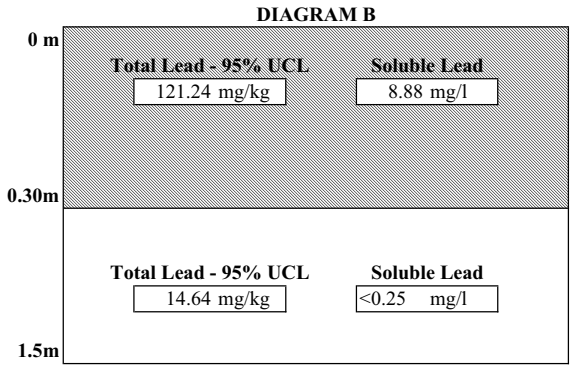
DIAGRAMS NOT TO SCALE

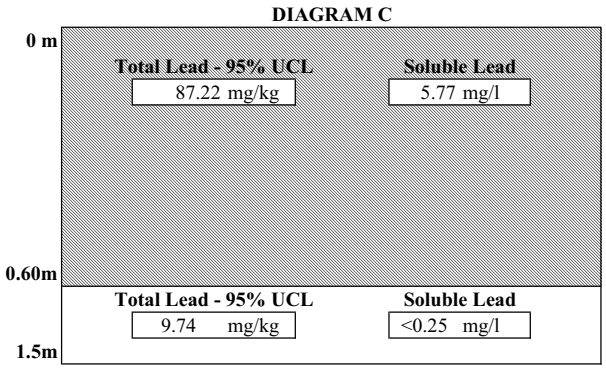
The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 191.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 26.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 7
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution







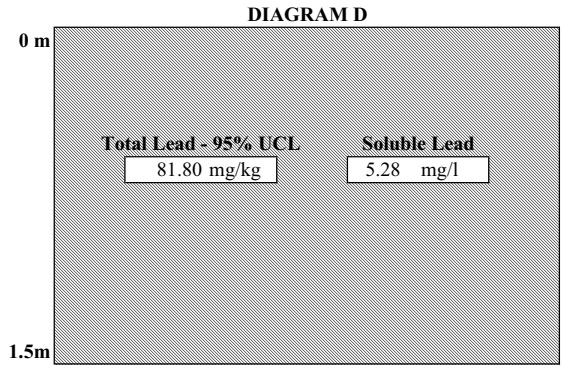


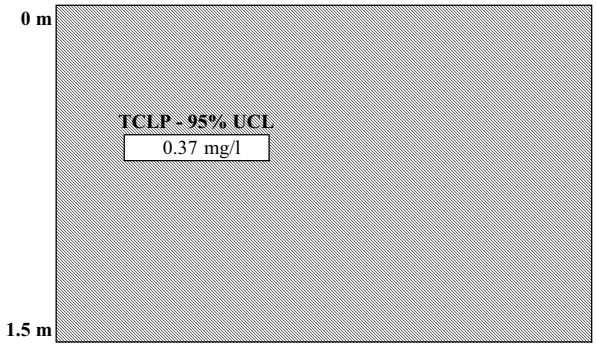
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 206.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 28.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 7

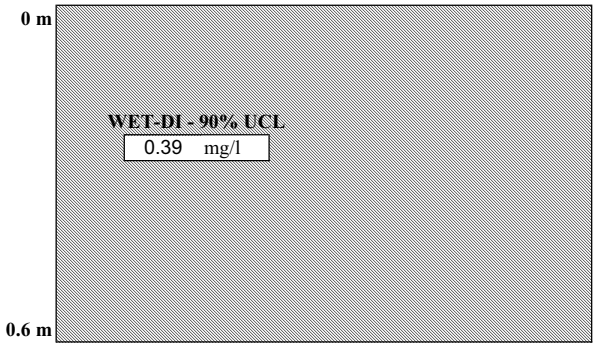
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 7

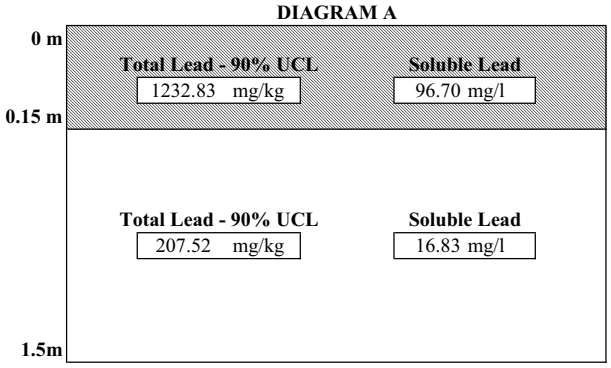
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

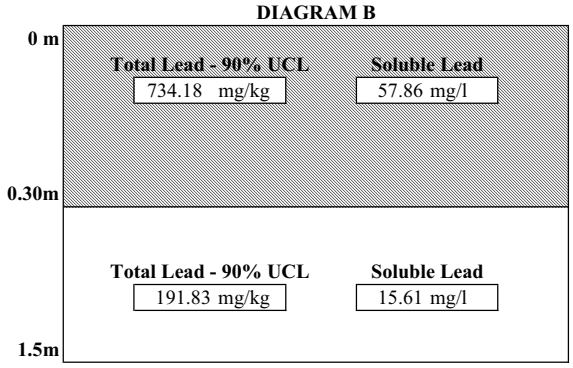


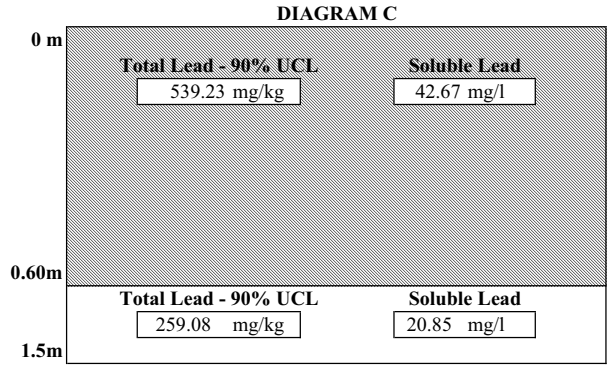
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 8
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







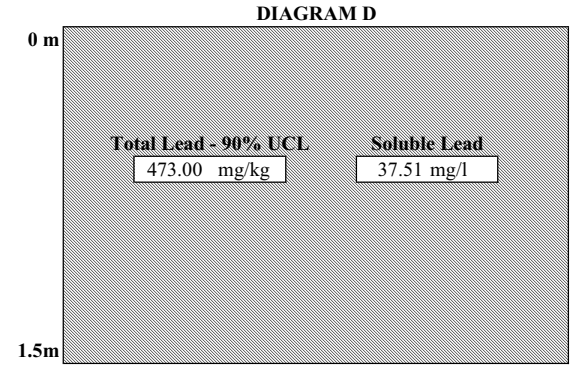


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1232.8 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 207.5 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 8
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

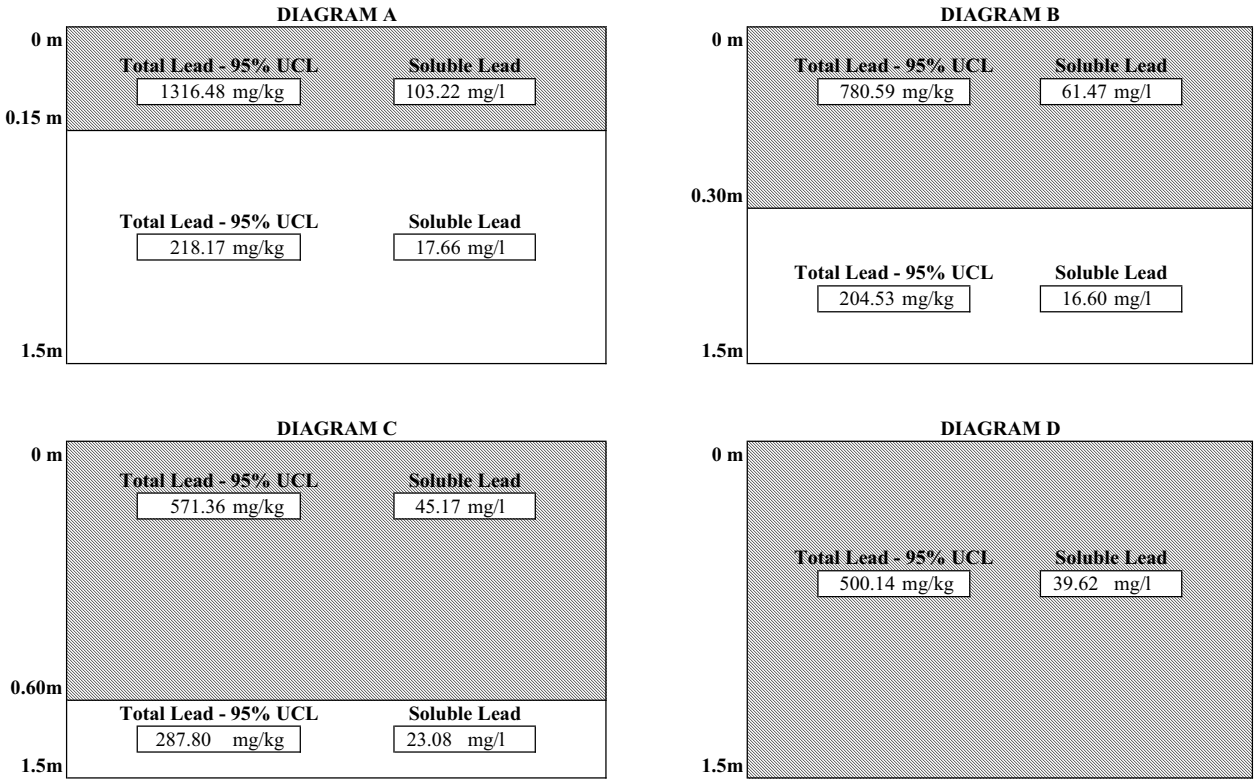


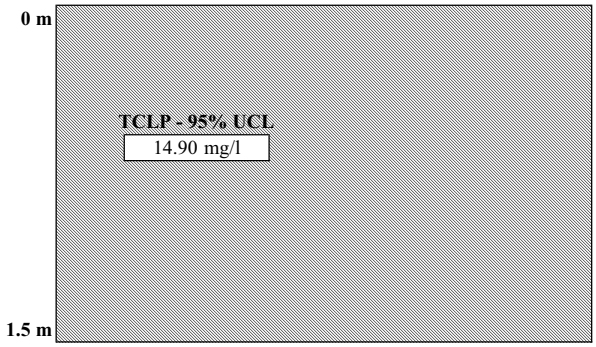
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1316.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 218.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 8

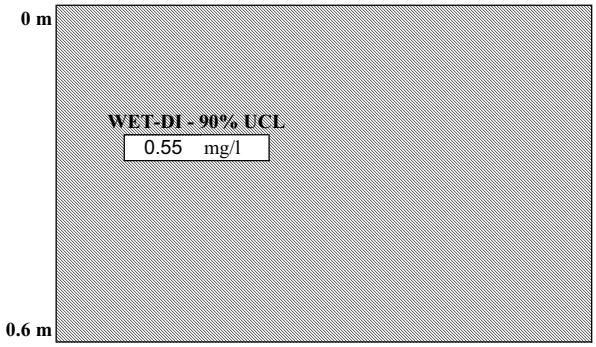
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 8

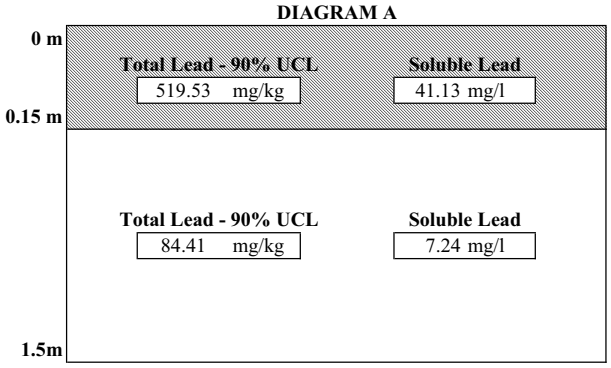
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

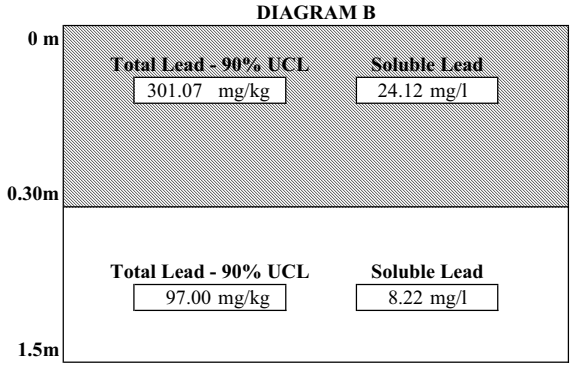


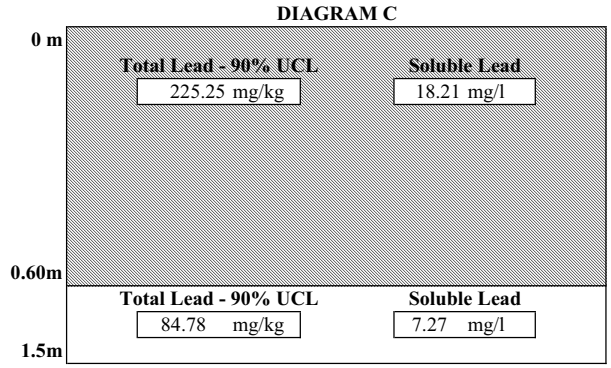
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 9
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







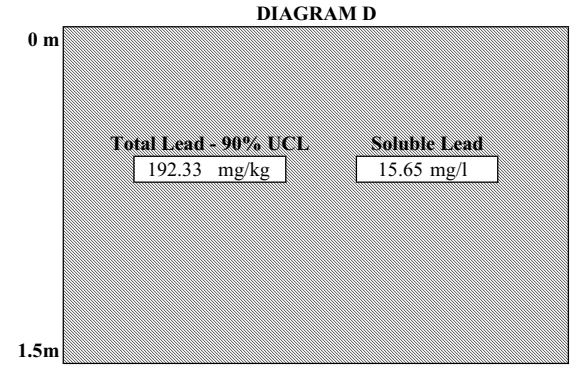


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 519.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 84.4 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 9
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

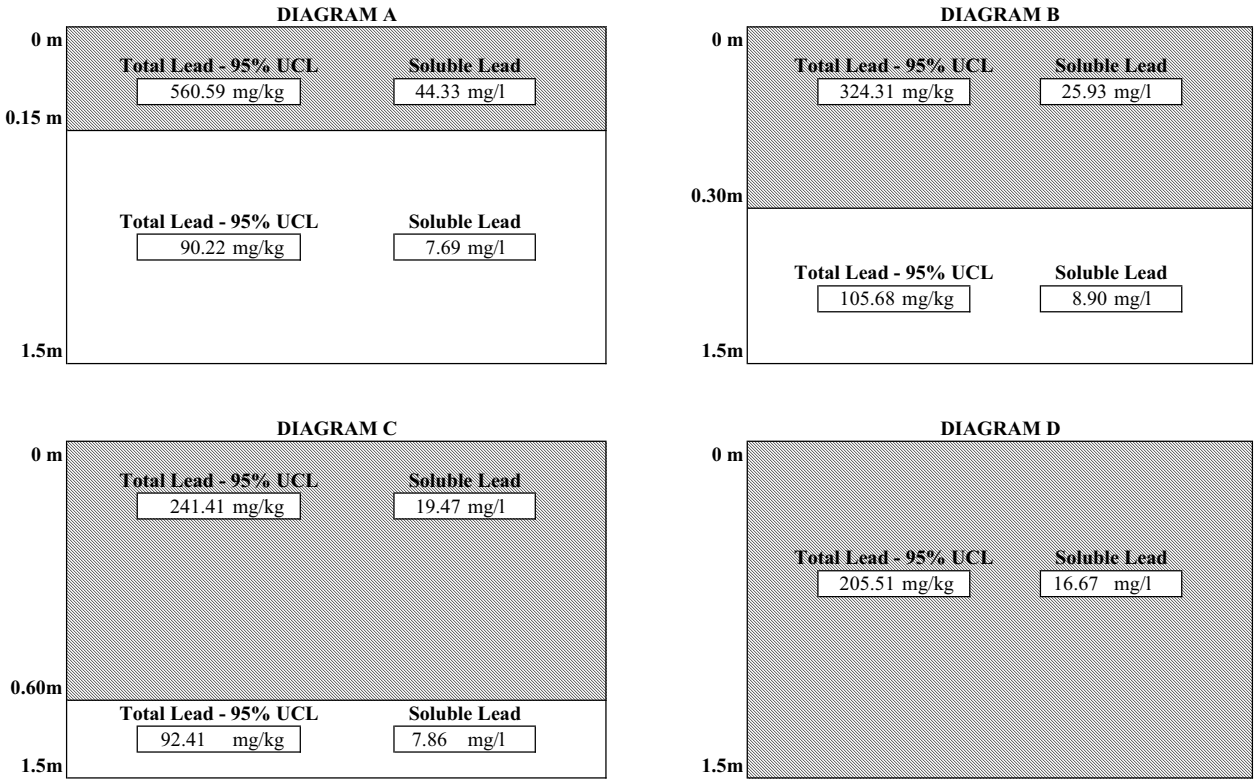


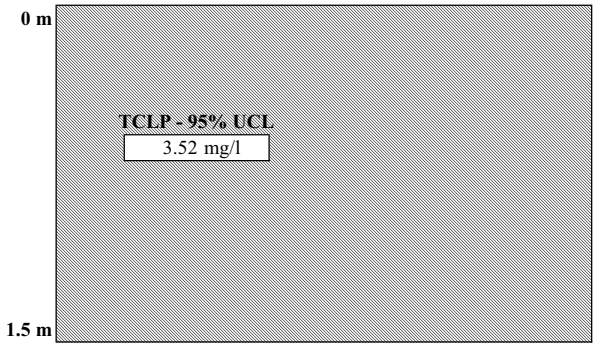
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 560.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 90.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 9

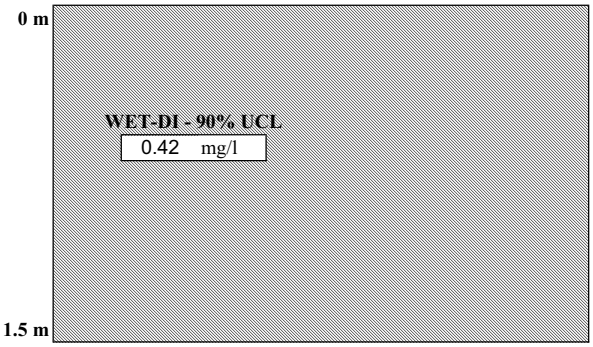
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 9

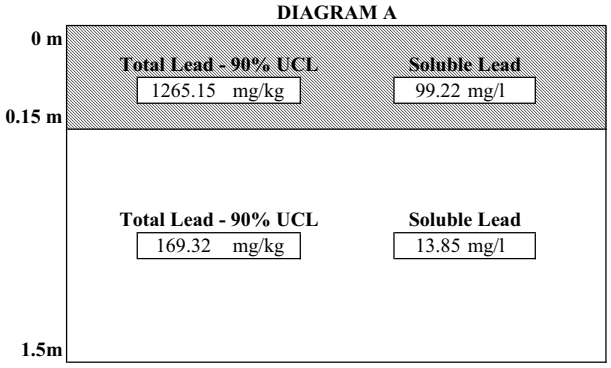
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

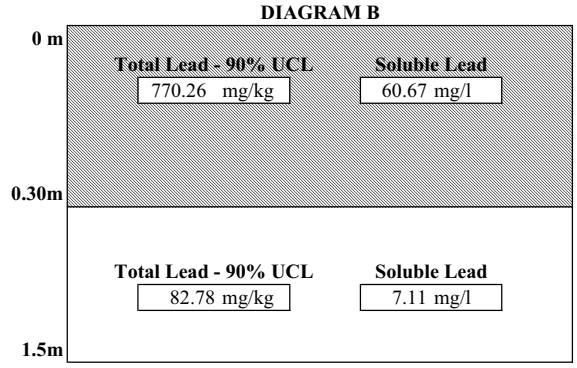


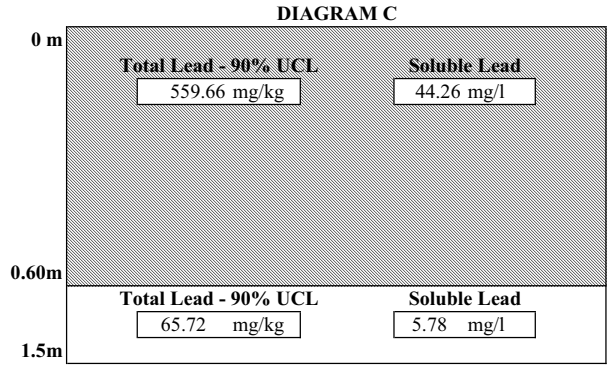
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 10
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







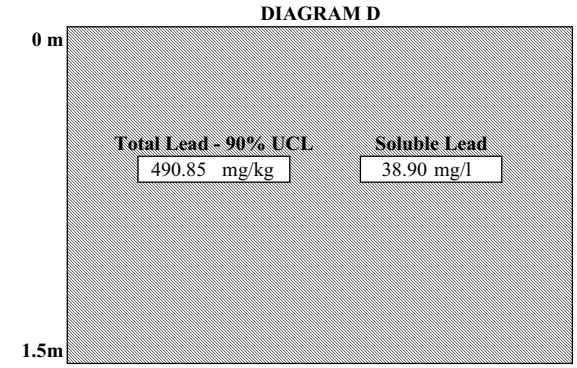


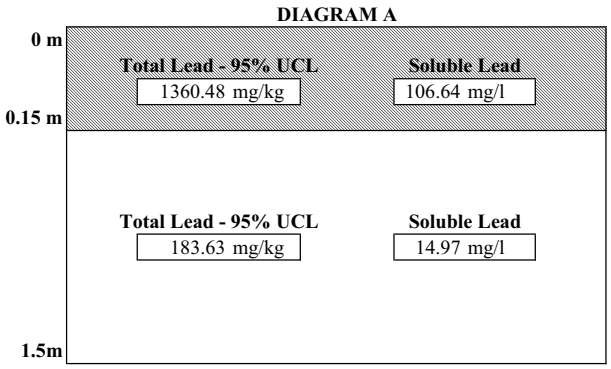
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

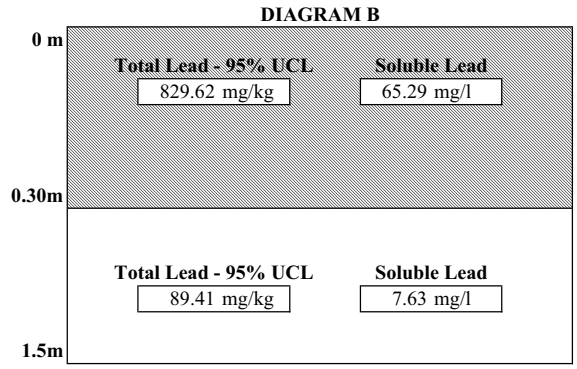
DIAGRAMS NOT TO SCALE

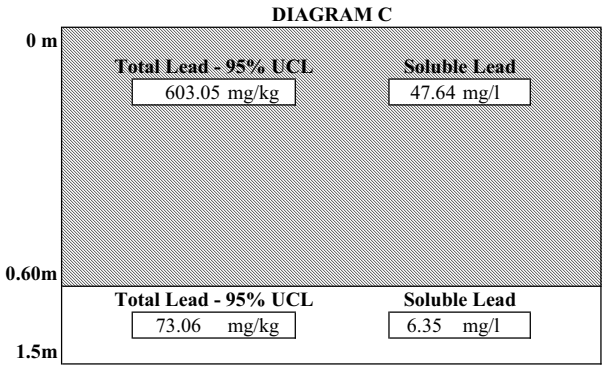
The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1265.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 169.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 10
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution







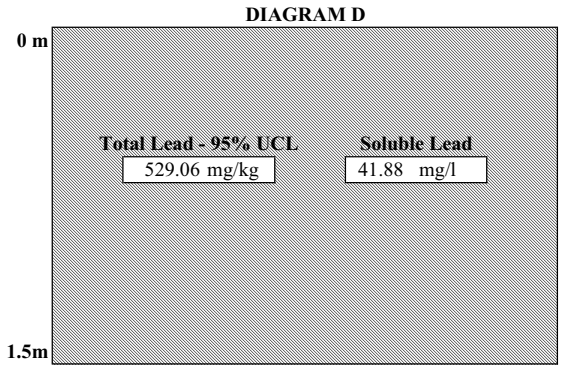


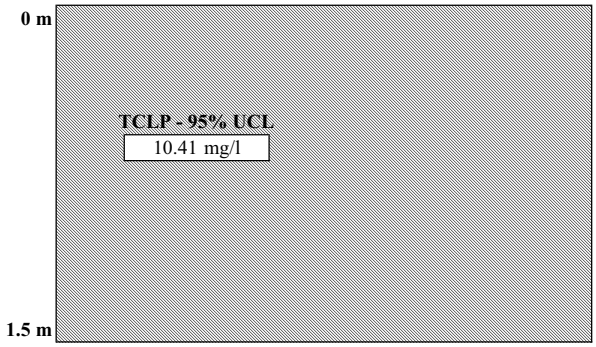
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1360.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 183.6 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 10

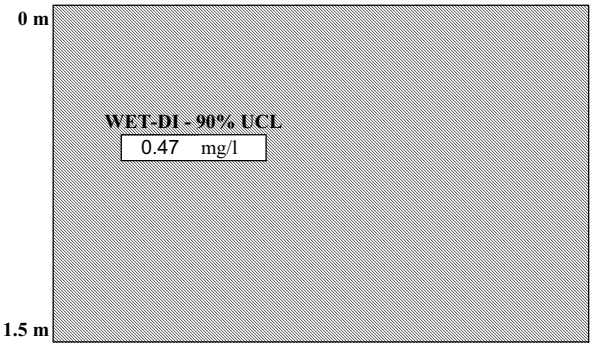
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 10

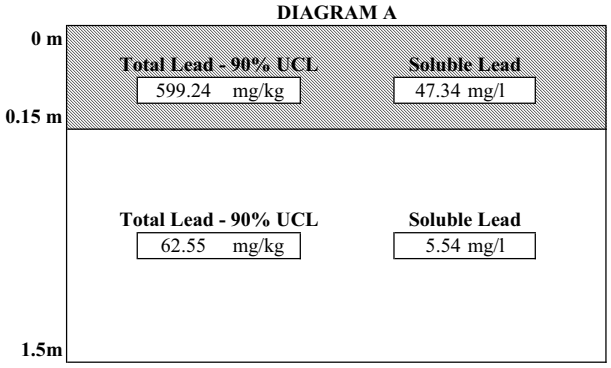
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

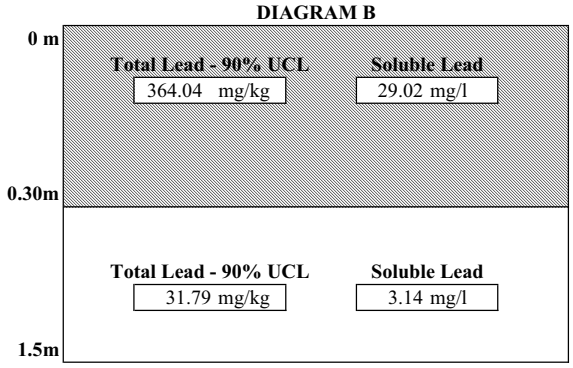


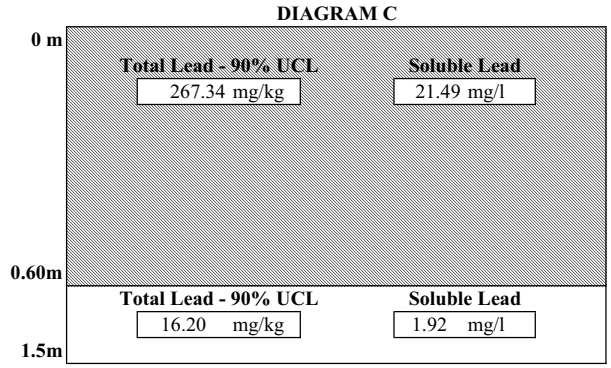
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 11
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







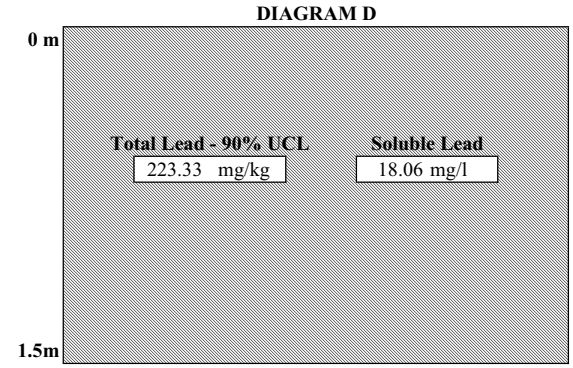


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 599.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 62.5 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 11
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

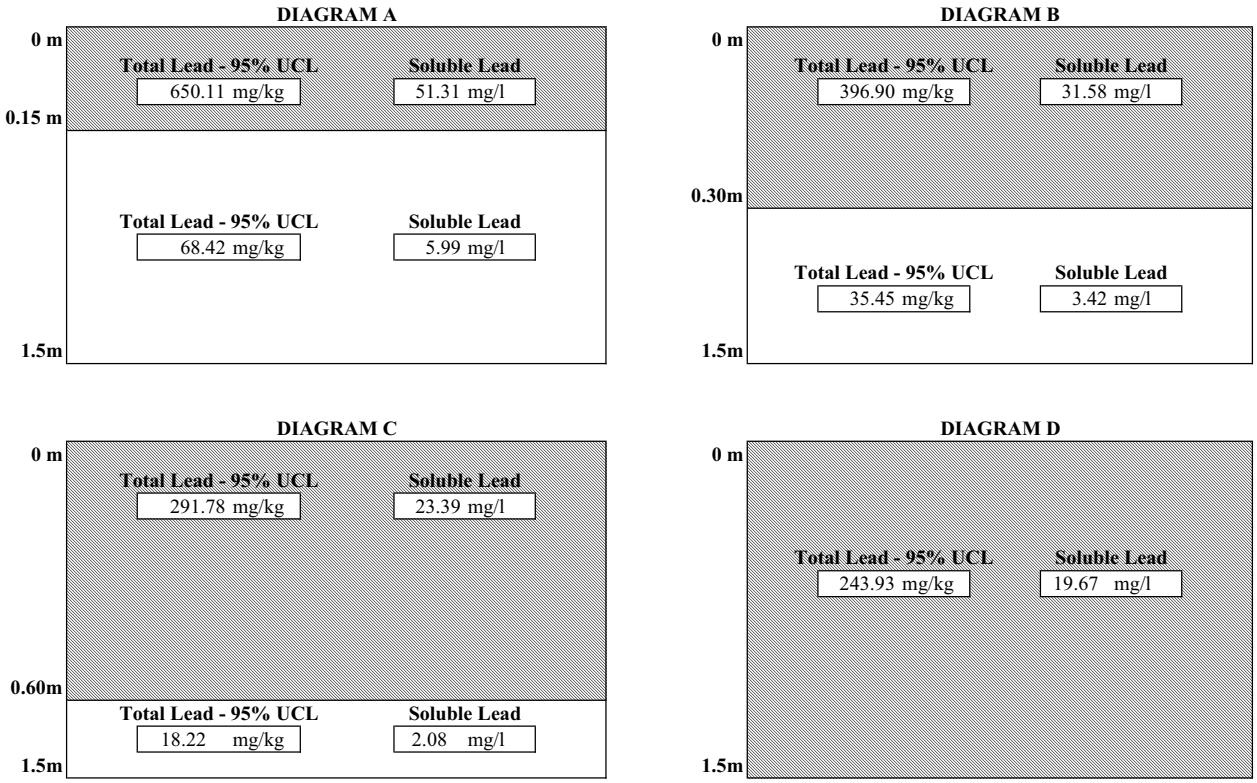


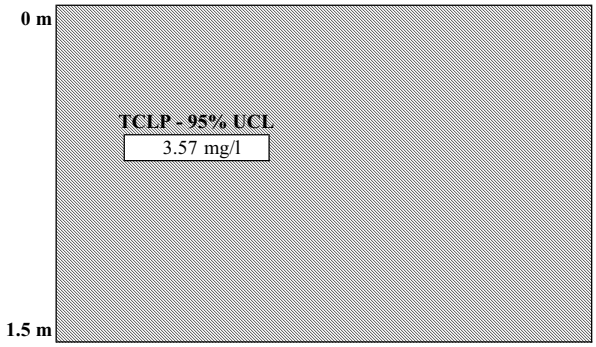
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 650.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 68.4 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 11

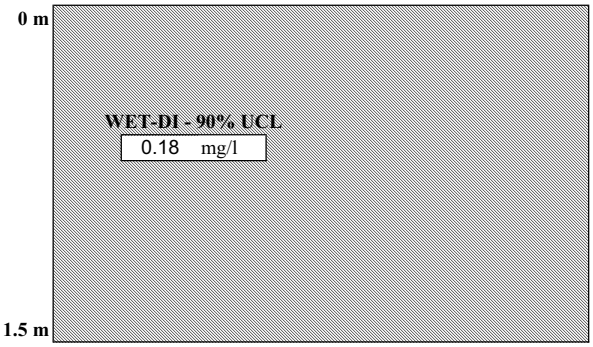
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 11

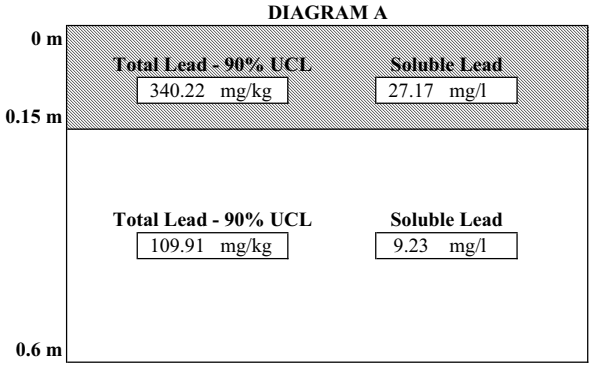
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

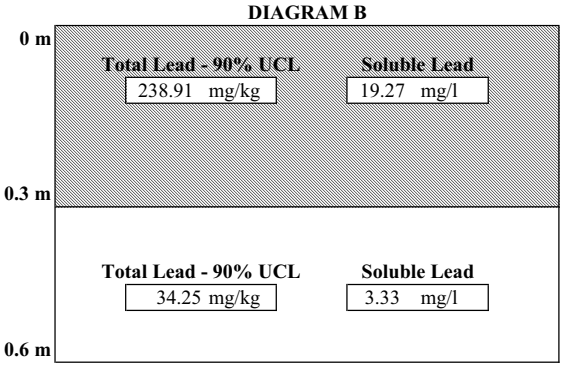


The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 12
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution





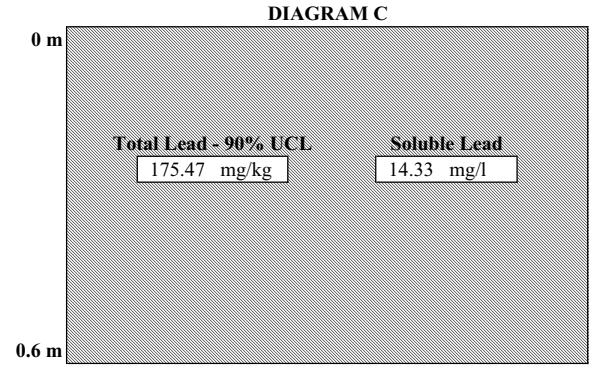


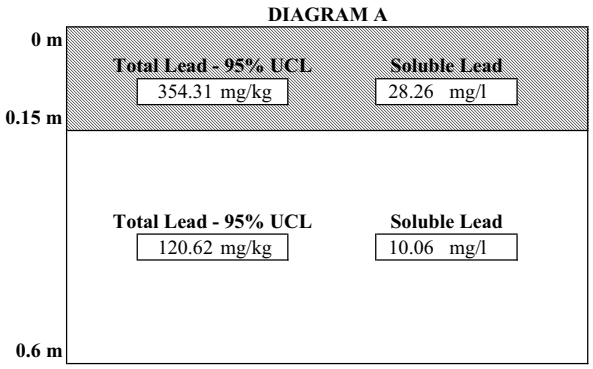
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

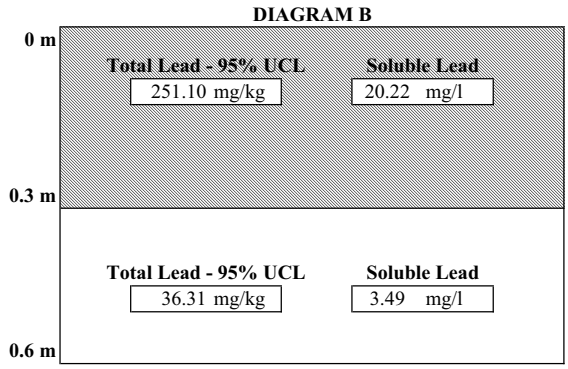
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 340.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 109.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Group 12
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution





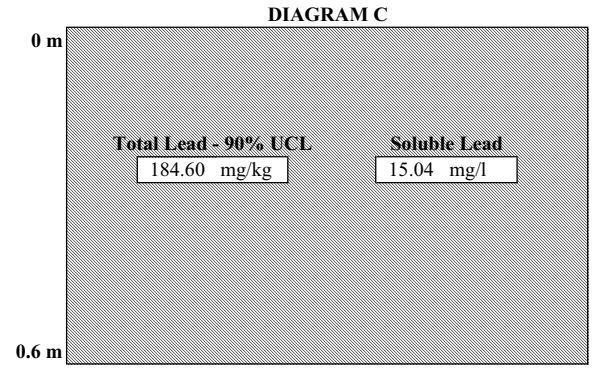
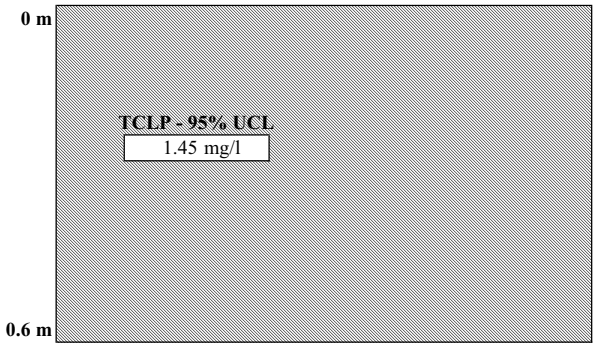


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.3 m of soil from the remaining underlying soil
DIAGRAM C -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 354.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentratio 120.6 mg/kg.

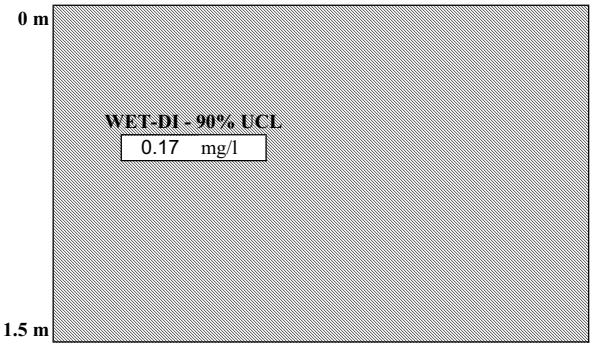
Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 12



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Group 12

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 1
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

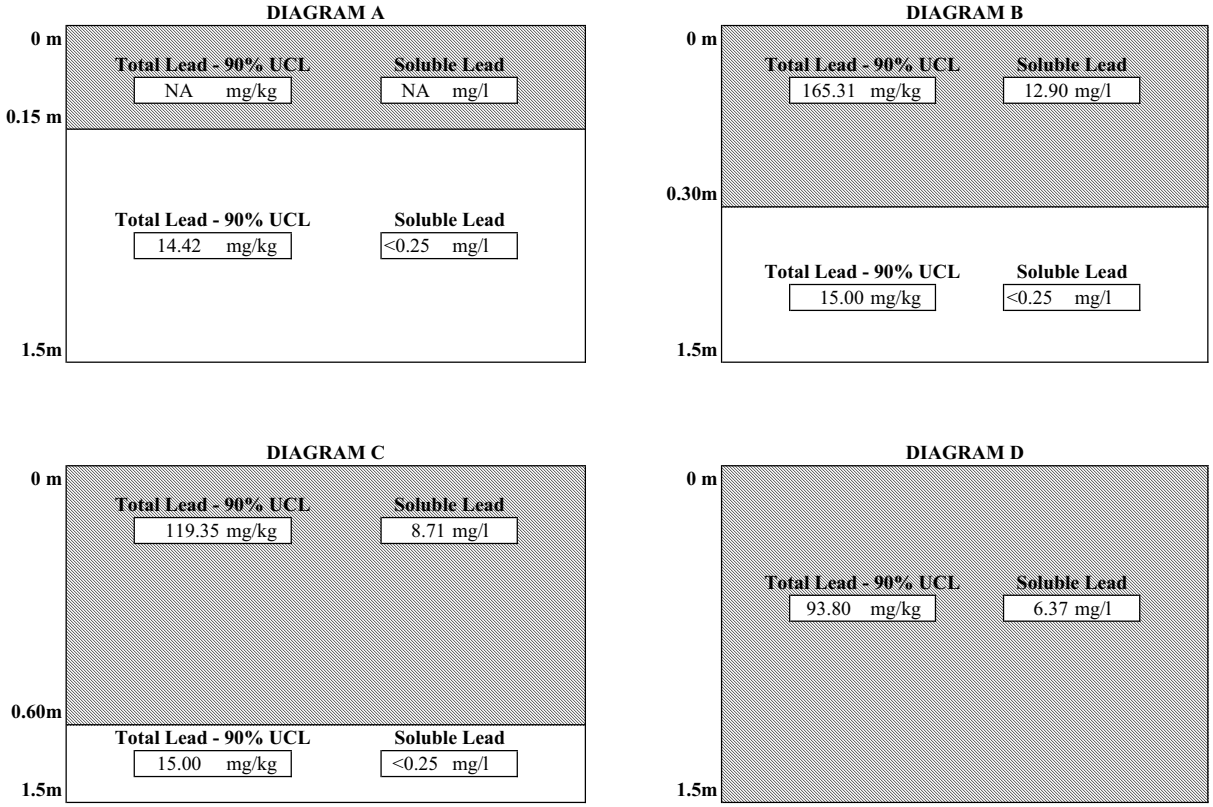


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of NA mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 14.4 mg/kg.

Note: NA = Insufficient number of samples to provide accurate statistics

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 1
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

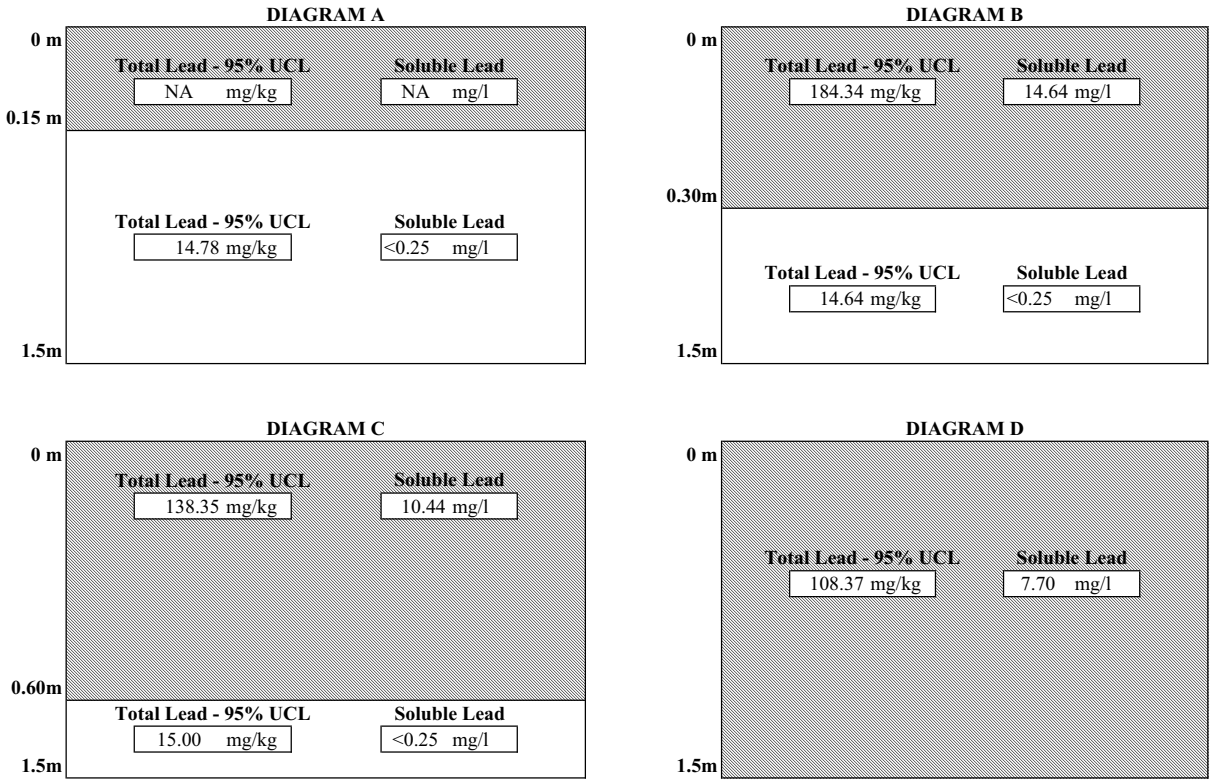


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of NA mg/kg. The underlying soil would be expected to exhibit an average total lead concentratic 14.8 mg/kg.

Note: NA = Insufficient number of samples to provide accurate statistics

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 2
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

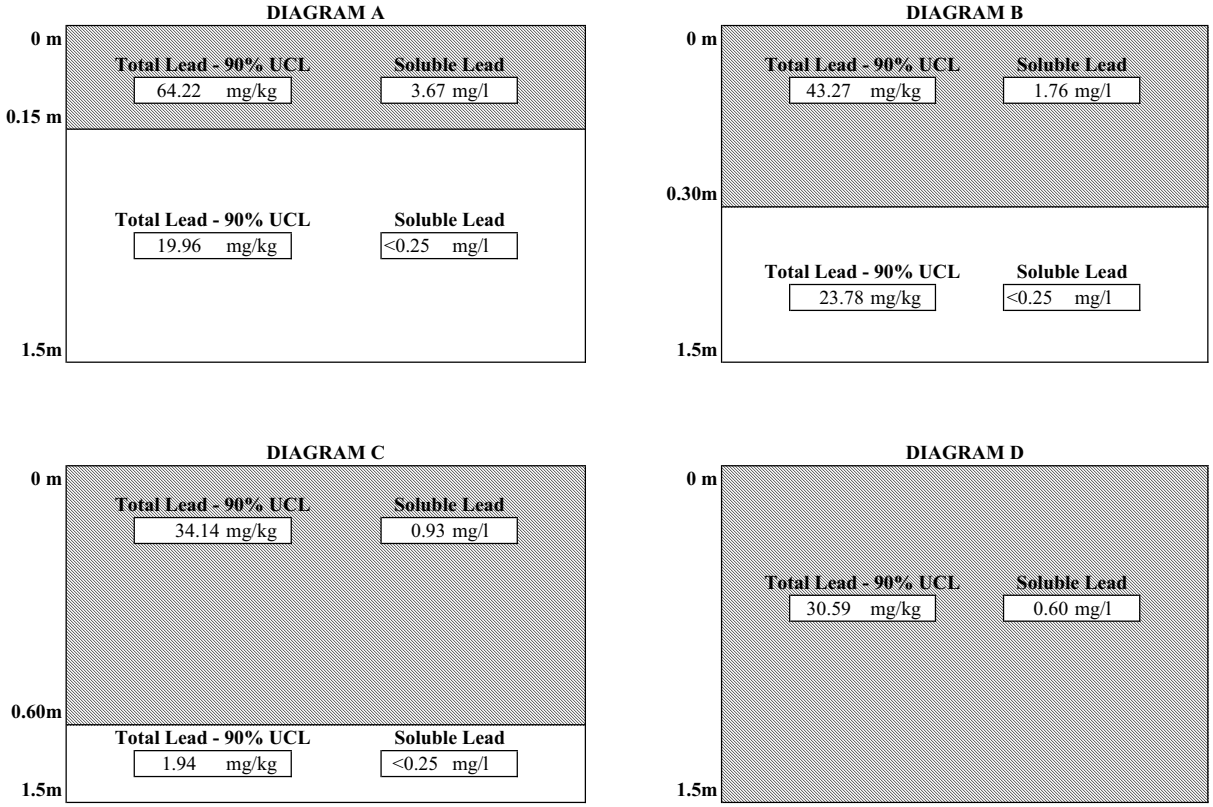


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 64.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 20.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 2
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

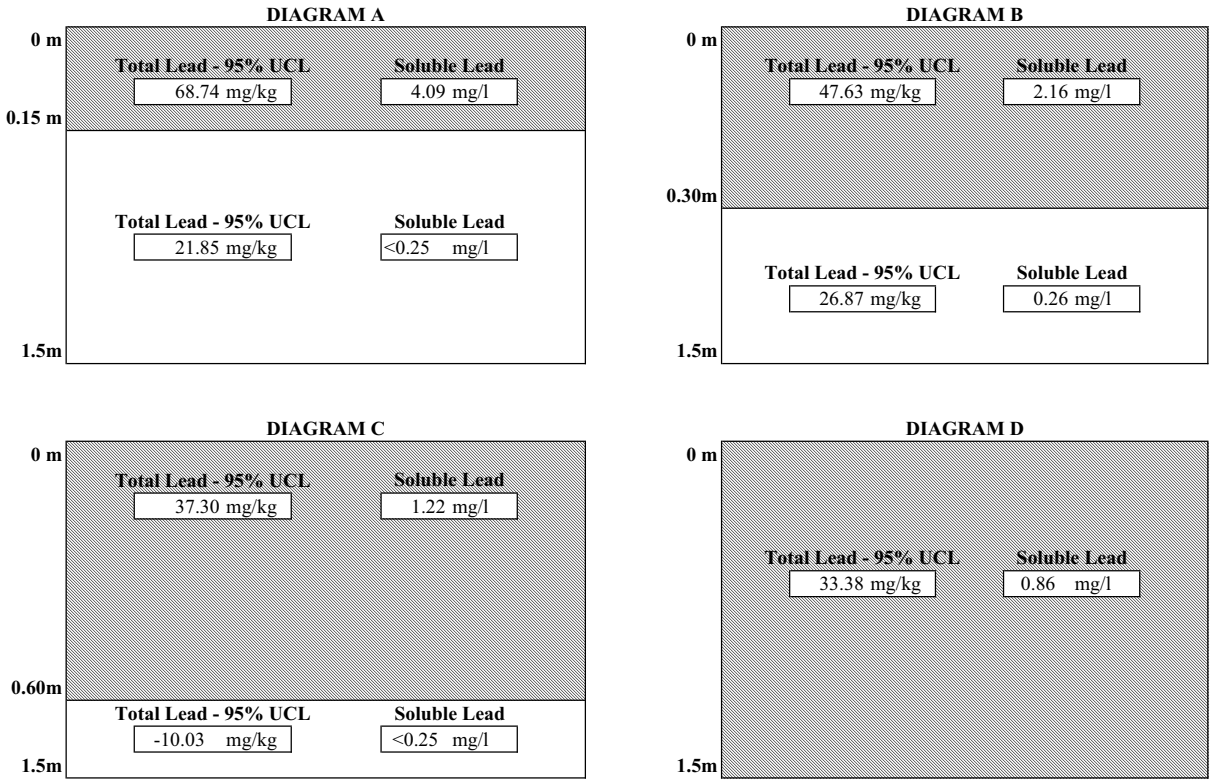


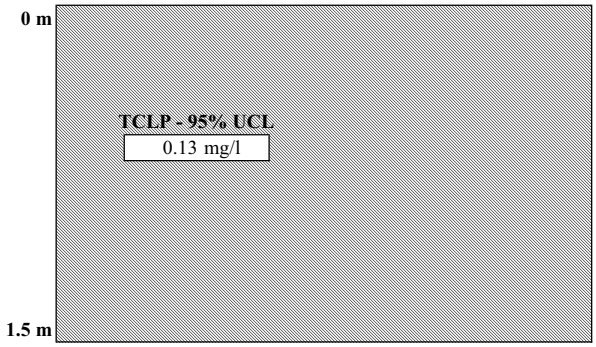
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 68.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentratic 21.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 2

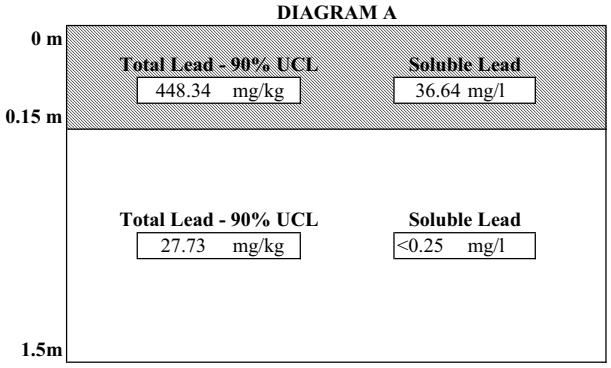
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution

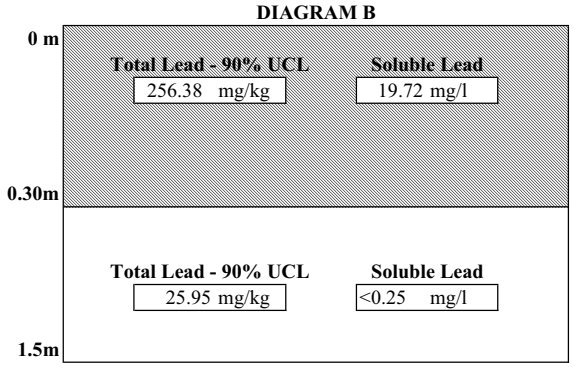


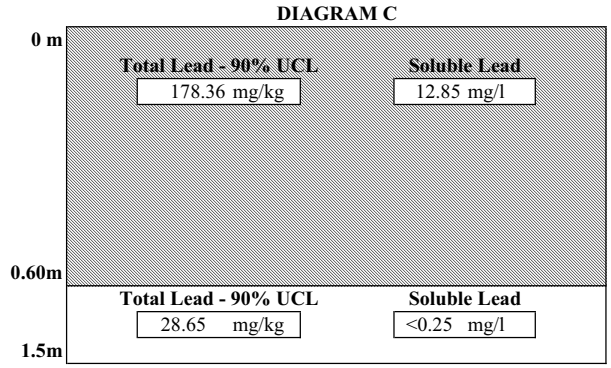
The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 3
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







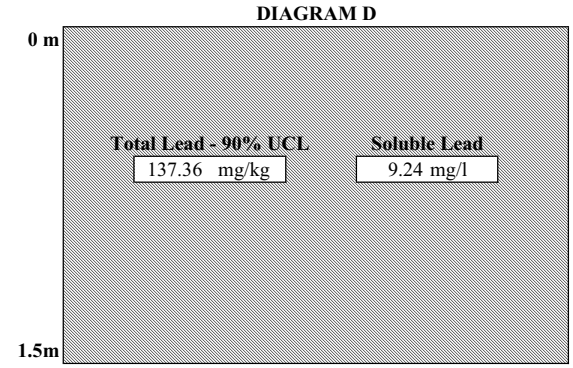


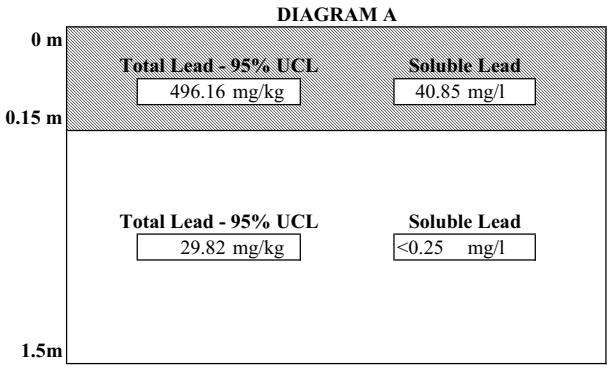
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

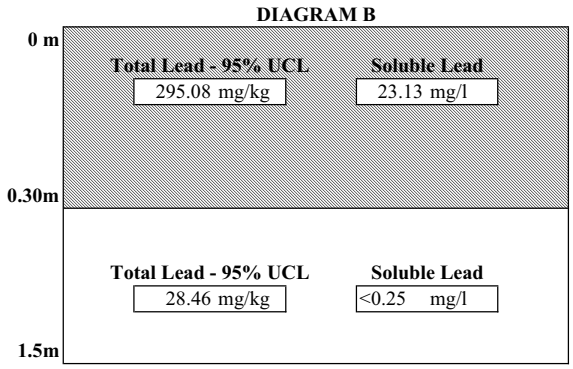
DIAGRAMS NOT TO SCALE

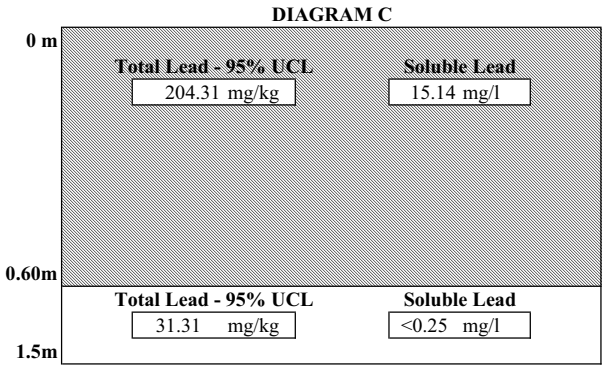
The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 448.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 27.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 3
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution







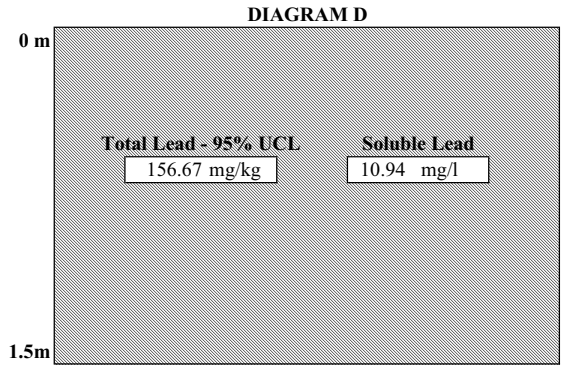


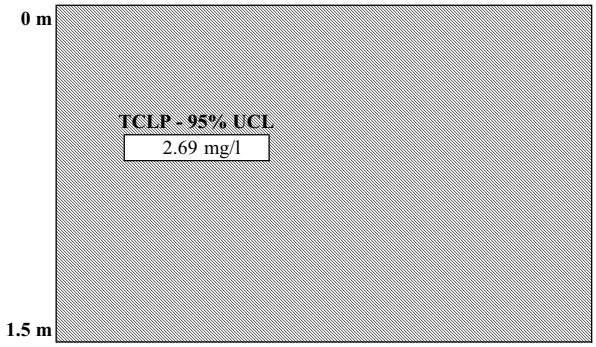
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 496.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 29.8 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 3

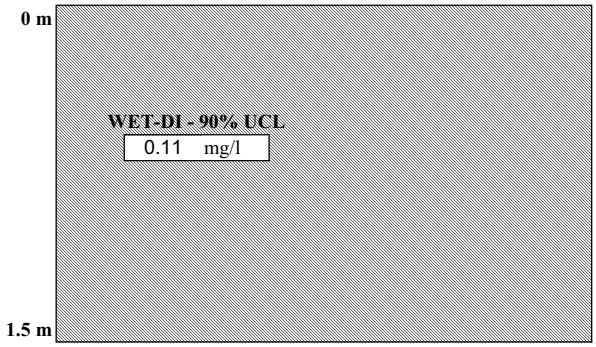
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 3

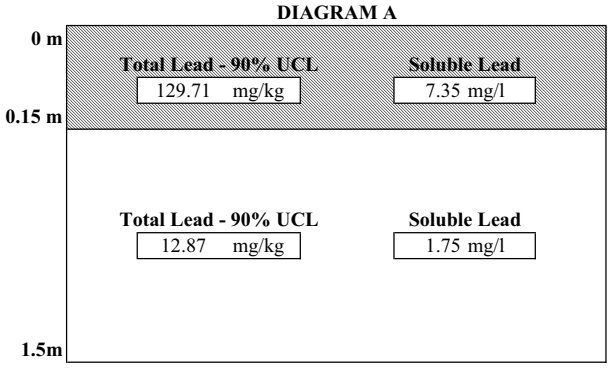
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

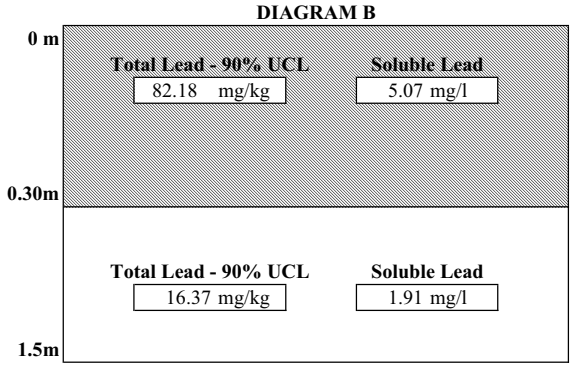


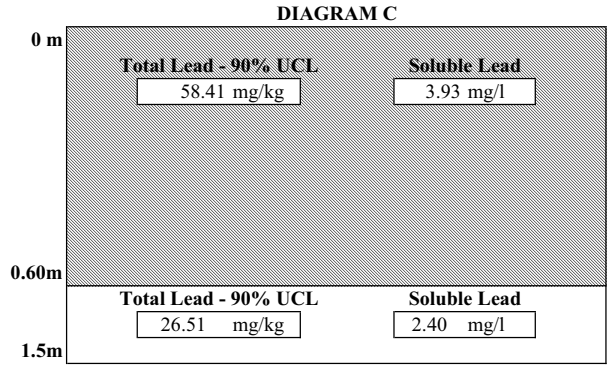
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 4
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







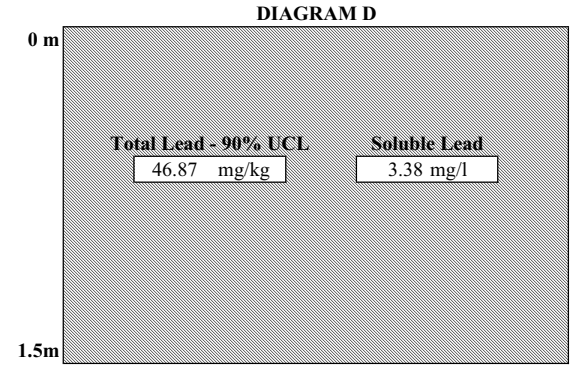


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 129.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 12.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 4
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

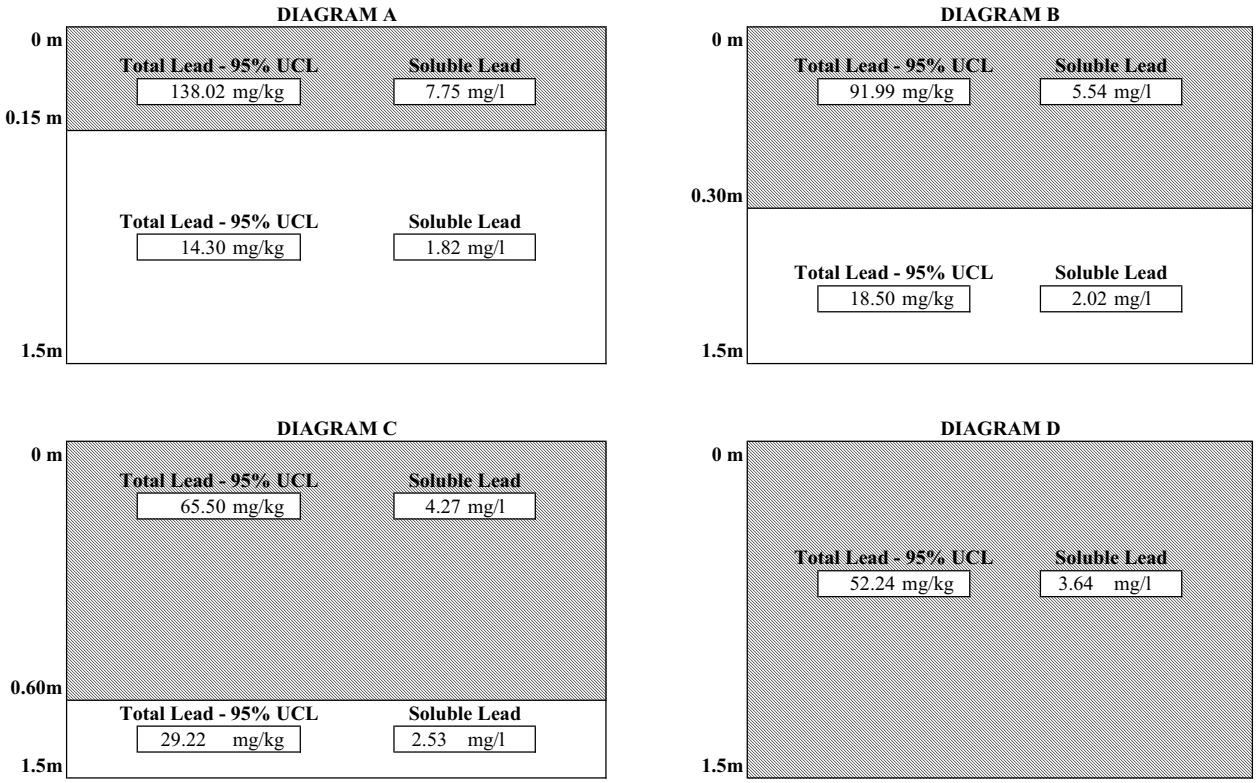


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
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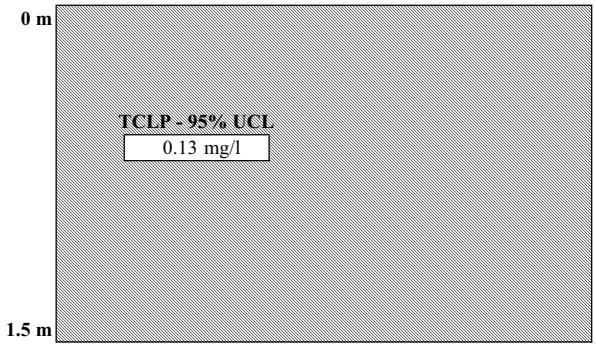
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 138.0 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 14.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 4

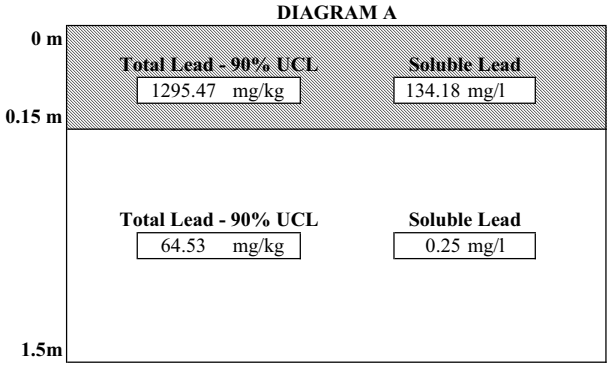
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution

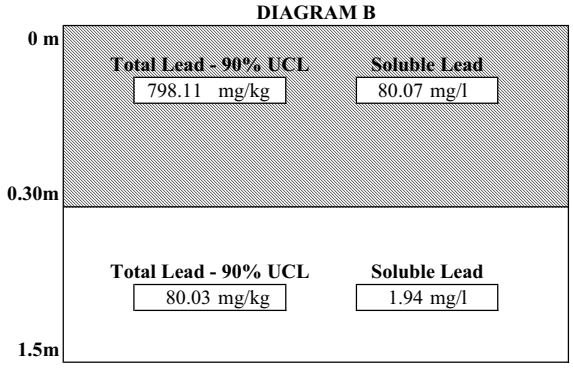


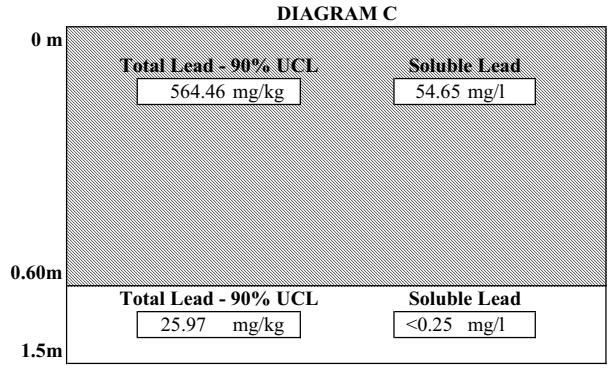
The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 5
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







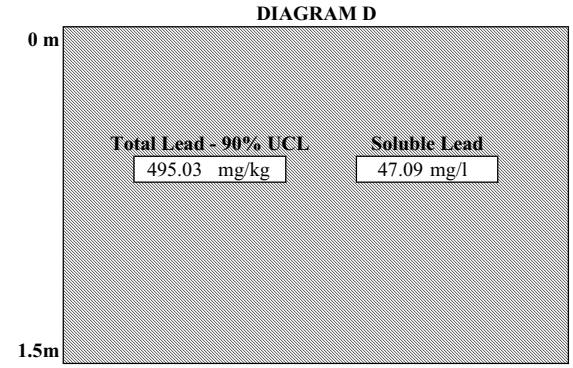


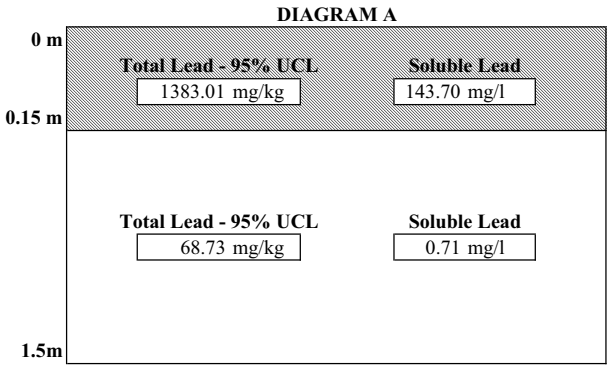
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

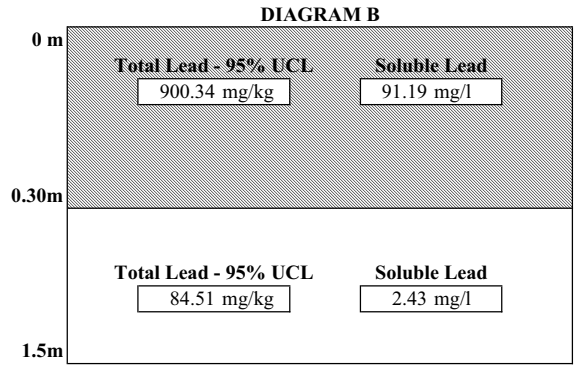
DIAGRAMS NOT TO SCALE

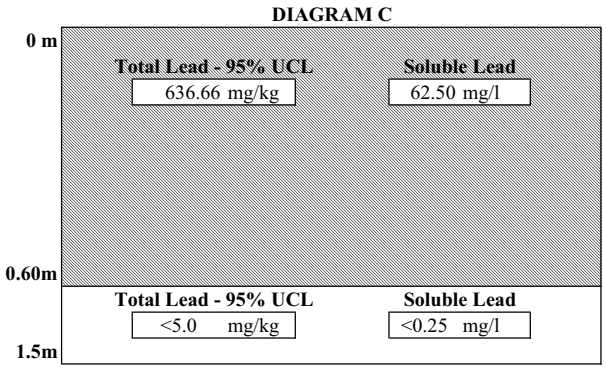
The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1295.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 64.5 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 5
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution







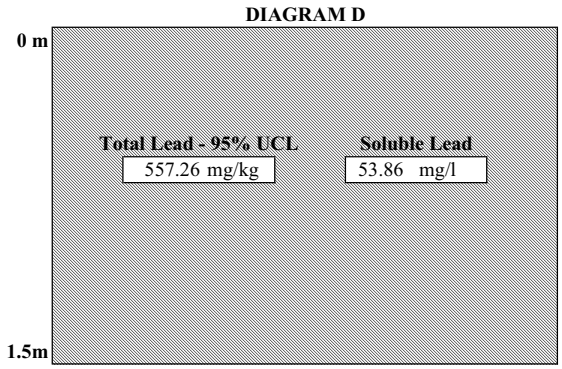


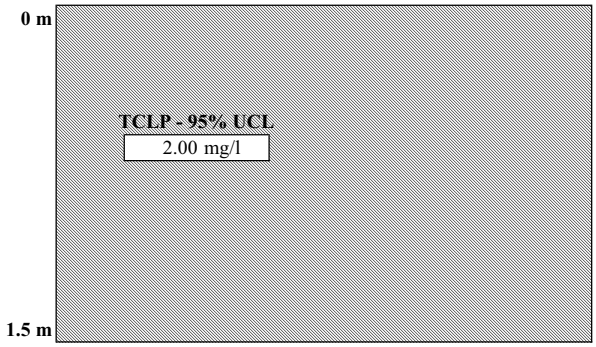
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1383.0 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 68.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 5

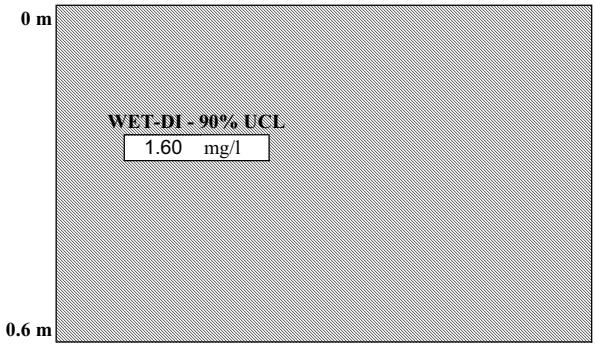
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 5

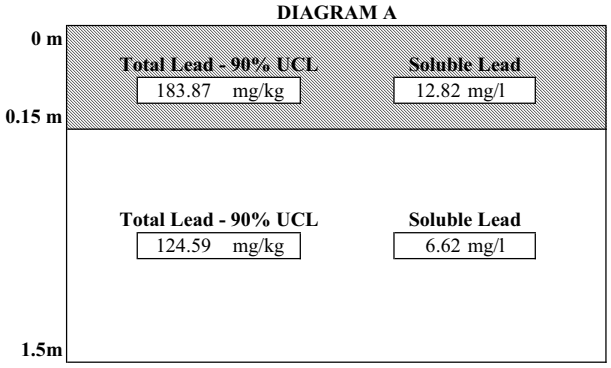
Block Diagram - One-Tailed 90% UCL for Arcsine Distribution

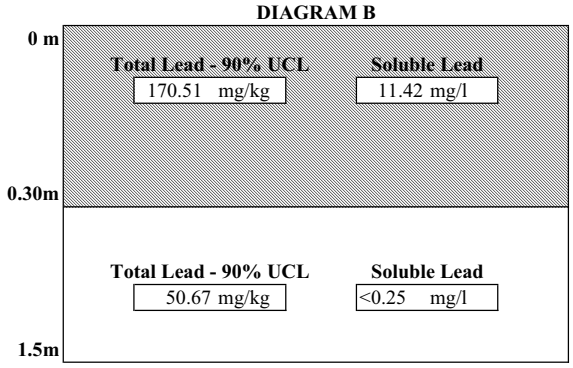


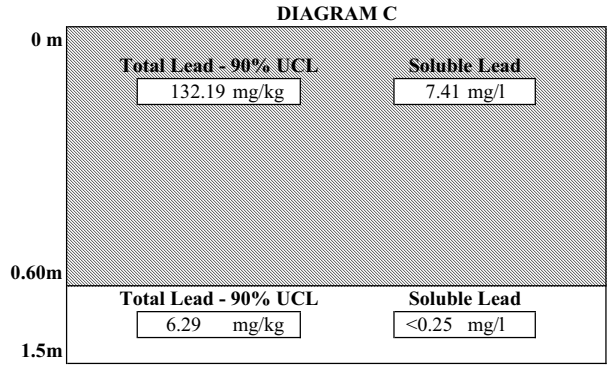
The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 0.6 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 6
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution







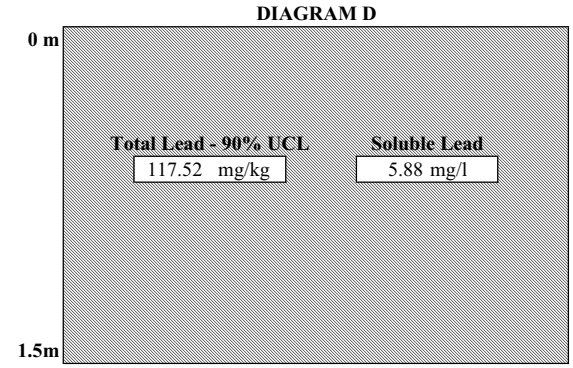


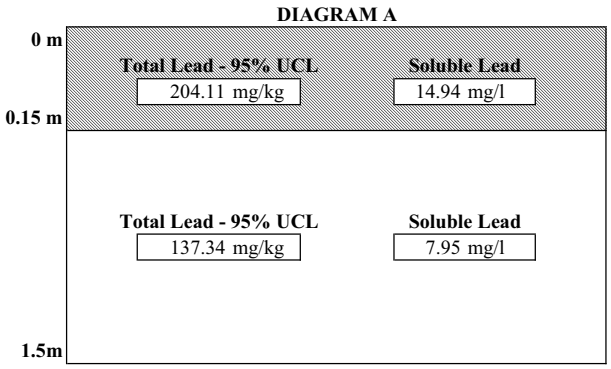
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

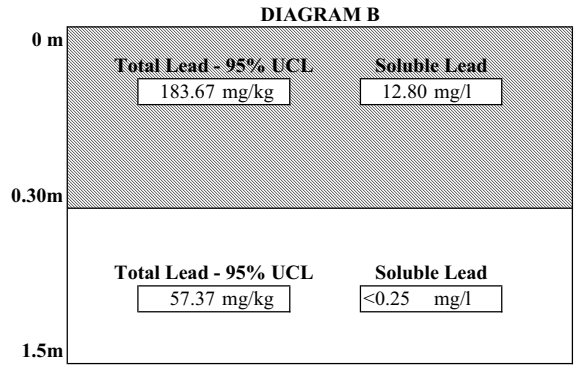
DIAGRAMS NOT TO SCALE

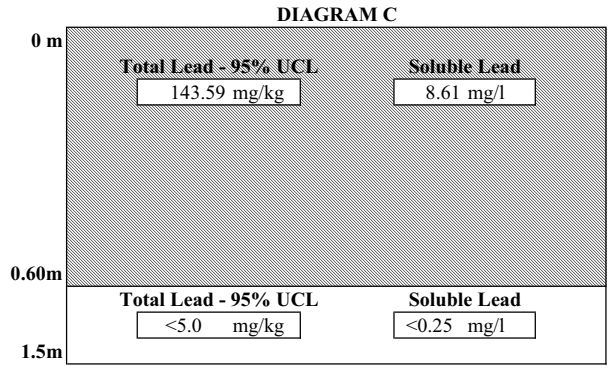
The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 183.9 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration o 124.6 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 6
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution







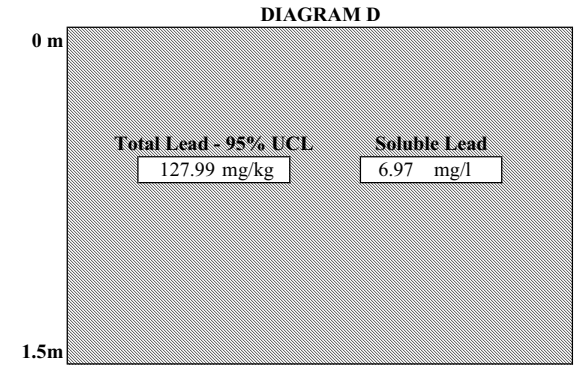


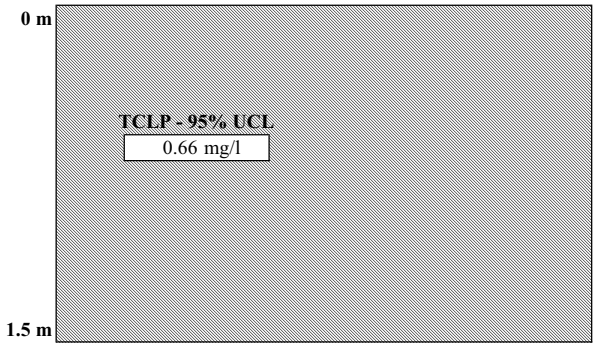
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 204.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 137.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 6

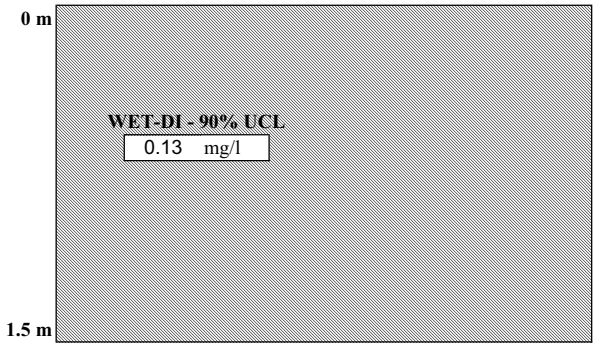
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 6

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 7
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

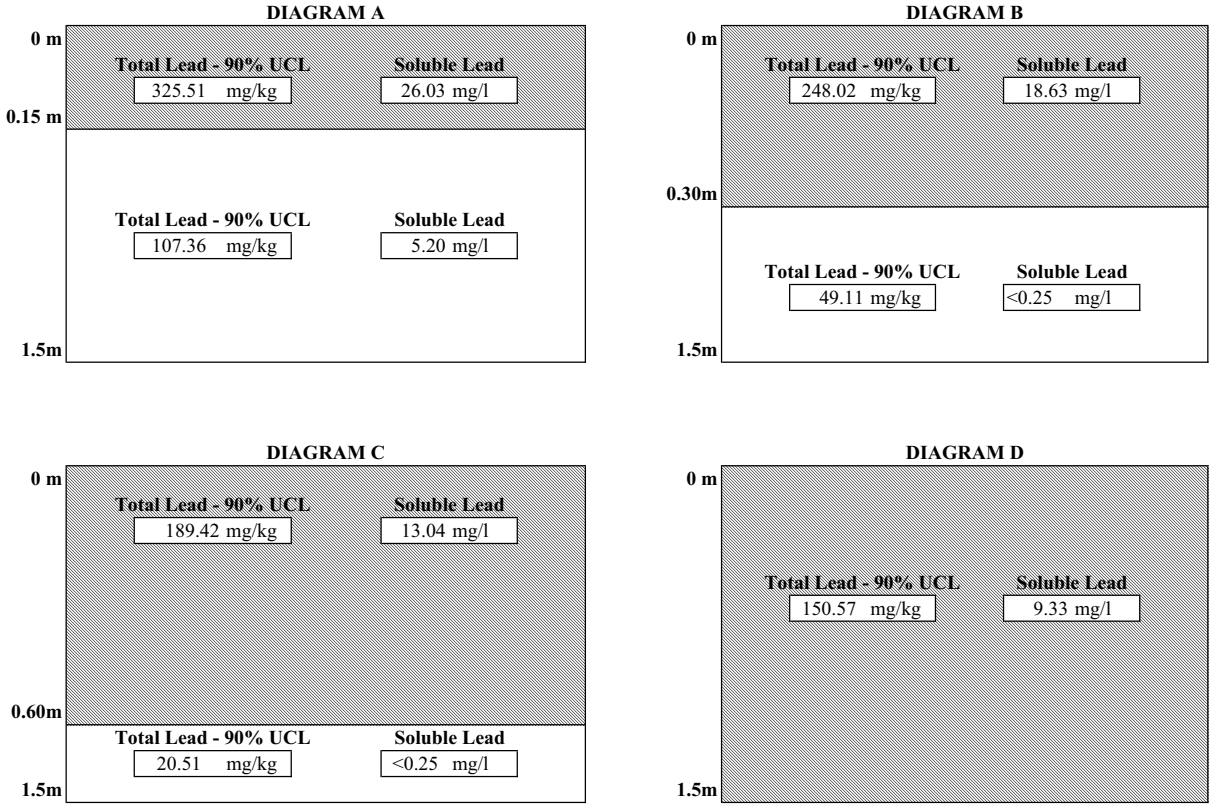


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 325.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration 107.4 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70-28.97 - Bridge 7
Project No.: 09100-06-111
EA 129411

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

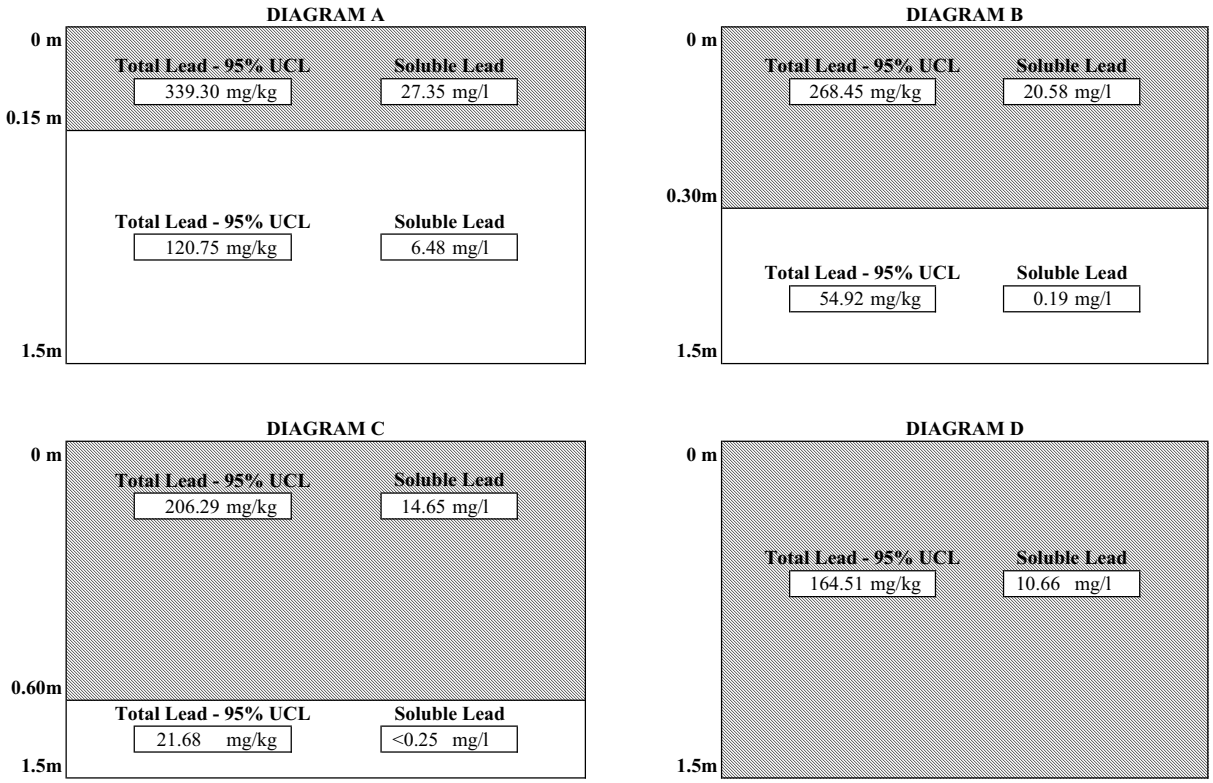


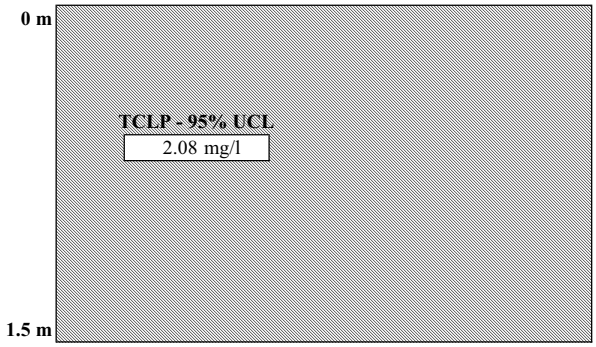
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 339.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentratic 120.8 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 7

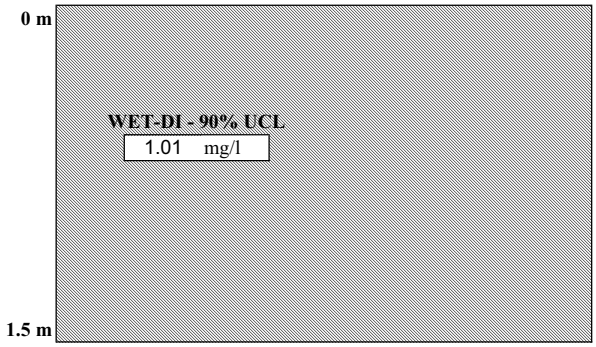
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 17.70/28.97
Project No.: 09100-06-111
EA 129411
Bridge 7

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-DI concentrations in soil to a depth of approximately 1.5 m.

GEOCON

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&
ENVIRONMENTAL
CONSULTANTS

AERIALLY DEPOSITED LEAD INVESTIGATION REPORT

ROUTE 60 KP 28.97/37.01
FROM AZUSA AVENUE
TO BREA CANYON ROAD
LOS ANGELES COUNTY, CALIFORNIA
CONTRACT NO. 43A0078
TASK ORDER NO. 07-129411-3C
EA 129421

PREPARED FOR

CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 7
ENVIRONMENTAL ENGINEERING
LOS ANGELES, CALIFORNIA

PREPARED BY

GEOCON CONSULTANTS, INC.
6970 FLANDERS DRIVE
SAN DIEGO, CALIFORNIA 92121
Tel. (858) 558-6100 Fax. (858) 558-8437
Email: environmental@geoconinc.com

GEOCON PROJECT NO. 09100-06-111

JUNE 29, 2004

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. 09100-06-111
Task Order No. 07-129411-3C
June 29, 2004

HAND-DELIVERED

Mr. Timothy Lee
California Department of Transportation, District 7
Environmental Engineering
801 S. Grand, Suite 1600
Los Angeles, California 90017

Subject: AERIALLY DEPOSITED LEAD INVESTIGATION
ROUTE 60 KP 28.97/37.01
FROM AZUSA AVENUE TO BREA CANYON ROAD
LOS ANGELES COUNTY, CALIFORNIA
CONTRACT NO. 43A0078
TASK ORDER NO. 07-129411-3C
EA 129421

Dear Mr. Lee:

In accordance with Caltrans Contract No. 43A0078 and Task Order No. 07-129411-3C dated March 9, 2004, Geocon Consultants, Inc. has performed an aerially deposited lead (ADL) investigation of the exposed soil in the unpaved areas along the east and west bound shoulders of Route 60 from Azusa Avenue to Brea Canyon Road, Los Angeles County, California. The accompanying report summarizes the services performed, including the advancement of hand-auger borings, limited soil sampling, laboratory analyses, statistical analyses, and Geographical Information Systems (GIS) Surveying. Please call us if you have any questions.

Sincerely,

GEOCON CONSULTANTS, INC.

REGISTERED GEOLOGIST
RONALD J KOFRON #1527 CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Michael P. Conkle, RG 7624
Project Geologist

Ronald J. Kofron, CEG 1527
Manager, Environmental Services

MPC:RJK:kor

(5) Addressee

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I. EXECUTIVE SUMMARY

Geocon Consultants, Inc. (Geocon) has performed an aerially deposited lead (ADL) investigation of the exposed soil in the unpaved areas along the east and west bound shoulders of Route 60 from Azusa Avenue to Brea Canyon Road, Los Angeles County, California. The California Department of Transportation (Caltrans) proposes to excavate soil at the site as part of the widening of this portion of Route 60 to accommodate the additional HOV lanes, maintenance vehicle pullouts (MVPs), new retaining walls, and soundwalls.

The investigation was performed to evaluate the presence of lead resulting from the historical combustion of leaded fuels from freeway traffic. Data from the investigation was used to evaluate the potential reuse or disposal considerations for soil excavated at the site, and to inform Caltrans of potential health and safety issues concerning the presence of lead in soil for workers at the site during construction activities.

Soil samples collected from the site were subsequently analyzed for total lead. Selected samples were analyzed for soluble lead using the Waste Extraction Test method using citric acid (WET-Citric) as the extractant, soluble lead using a modified WET method using deionized water (WET-DI) as the extractant, soluble lead using the Toxicity Characteristic Leaching Procedure (TCLP), California Code of Regulations (CCR) Title 22 metals, and/or pH.

Laboratory analytical results and statistical analysis using one-sided 90% upper confidence limits (UCLs) were compared to the guidelines of the Department of Toxic Substances Control (DTSC) Lead Variance issued to Caltrans, Assembly Bill 414, and the DTSC variance modification letter dated December 13, 2002, which modifies the variance, to develop recommendations for reuse of soil from the site. Offsite disposal conclusions were based upon comparison of the total lead 95 percent UCLs to the California Health and Safety Code (HSC) threshold of 350 milligrams per kilogram (mg/kg), predicted WET-Citric results to the CCR Title 22 soluble lead threshold of 5.0 milligrams per liter (mg/l), and TCLP 95% UCLs to the RCRA threshold of 5.0 mg/l.

Analysis of selected soil samples for CCR Title 22 metals did not indicate the presence of any of these elements (other than lead) at or above their respective Total Threshold Limit Concentrations (TTLCs) or 10 times their respective Soluble Threshold Limit Concentrations (STLCs).

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

GROUP 1

Group 1 is comprised of the northbound Azusa Avenue onramp to eastbound Route 60, KP 27.8/27.9. Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 meters (m) beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and

placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 2

Group 2 is comprised of the westbound Route 60 shoulder 950 meters east of Azusa Avenue, KP 28.55. Based upon the 90% and 95%, any portion of the upper 0.9 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

GROUP 3A

Group 3A is comprised of the eastbound Route 60 shoulder from 500 meters west of Stoner Creek Road to 400 meters west of Stoner Creek Road, KP 28.9/29.0. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 3B

Group 3B is comprised of the eastbound Route 60 shoulder 70 meters west of Stoner Creek Road, KP 29.45. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if any portion of the upper 0.9 m of soil is to be disposed, it would likely be classified as a California hazardous material with respect to

soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 4

Group 4 is comprised of the eastbound Route 60 shoulder from Hacienda Boulevard to 100 meters east of Stimson Avenue, KP 24.4/25.1. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 5

Group 5 is comprised of the eastbound Route 60 shoulder from Jellick Avenue to 300 meters east of Jellick Avenue, KP 30.5/30.8. Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if any portion of the upper 1.5 m of soil is excavated for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 6

Group 6 is comprised of the eastbound Route 60 shoulder from 600 meters west of Nogales Street to 300 meters west of Nogales Street, KP 31.0/31.3. Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to

soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 7

Group 7 is comprised of the westbound Route 60 shoulder from 200 meters west of Nogales Street to 500 meters west of Nogales Street, KP 31.1/31.4. Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 8

Group 8 is comprised of the eastbound Route 60 off ramp to Nogales Street, KP 31.4. Based upon the 90% and 95% UCLs, any portion of the upper 1.5 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

GROUP 9

Group 9 is comprised of the eastbound Route 60 on ramp from northbound Nogales Street, KP 31.6/31.9. Based upon the 90% and 95% UCLs, any portion of the upper 1.5 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

GROUP 10

Group 10 is comprised of the eastbound Route 60 shoulder 400 meters west of Fairway Drive, KP 32.8. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if any portion of the upper 0.9 m of soil is excavated for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 11

Group 11 is comprised of the westbound Route 60 shoulder 320 meters west of Fairway Drive, KP 32.9. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.6 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 12

Group 12 is comprised of the westbound Route 60 shoulder 100 meters west of Lemon Avenue, KP 34.6. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 13

Group 13 is comprised of the eastbound Route 60 shoulder 100 meters east of Lemon Avenue, KP 34.9. Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non- hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.3 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 14

Group 14 is comprised of the eastbound Route 60 shoulder from 300 meters west of Brea Canyon Road to 100 meters west of Brea Canyon Road, KP 35.4/35.6. Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance.

Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 15

Group 15 is comprised of the westbound Route 60 shoulder from 600 meters east of Azusa Avenue to 500 meters east of Azusa Avenue, KP 28.1/28.2. Based upon the TCLP 95% UCL, if any portion of the upper 0.9 m of soil is excavated, it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification. Exsitu soil sampling and analysis for total lead and soluble lead (both WET and TCLP) should be performed prior to offsite disposal.

GROUP 16

Group 16 is comprised of the eastbound and westbound sides of the Route 60 overcrossing at Stoner Creek Road, KP 30.1. Based upon the 90% and 95% UCLs, any portion of the upper 0.9 m of soil excavated may be handled as a non- hazardous material and is suitable for reuse or disposal without restriction.

AERIALLY DEPOSITED LEAD INVESTIGATION REPORT

1. INTRODUCTION

1.1 Project Description and Objectives

Geocon has performed an ADL investigation of the exposed soil in the unpaved areas along the eastbound and westbound shoulders of Route 60 from Azusa Avenue to Brea Canyon Road, Los Angeles County, California (Figure 1). Caltrans proposes to excavate soil at the site to accommodate the additional HOV lanes, maintenance vehicle pullouts (MVPs), new retaining walls, and soundwalls. For the purpose of this investigation, the project was divided into sixteen groups consisting of:

- Group 1: The northbound Azusa Avenue onramp to eastbound Route 60, KP 27.8/27.9;
- Group 2: Westbound Route 60 shoulder 950 meters east of Azusa Avenue, KP 28.55;
- Group 3A: Eastbound Route 60 shoulder from 500 meters west of Stoner Creek Road to 400 meters west of Stoner Creek Road, KP 28.9/29.0;
- Group 3B: Eastbound Route 60 shoulder 70 meters west of Stoner Creek Road, KP 29.45;
- Group 4: Eastbound Route 60 shoulder from Hacienda Boulevard to 100 meters east of Stimson Avenue, KP 24.4/25.1;
- Group 5: Eastbound Route 60 shoulder from Jellick Avenue to 300 meters east of Jellick Avenue, KP 30.5/30.8;
- Group 6: Eastbound Route 60 shoulder from 600 meters west of Nogales Street to 300 meters west of Nogales Street, KP 31.0/31.3;
- Group 7: Westbound Route 60 shoulder from 200 meters west of Nogales Street to 500 meters west of Nogales Street, KP 31.1/31.4;
- Group 8: The eastbound Route 60 off ramp to Nogales Street, KP 31.4;
- Group 9: The eastbound Route 60 on ramp from northbound Nogales Street, KP 31.6/31.9;
- Group 10: Eastbound Route 60 shoulder 400 meters west of Fairway Drive, KP 32.8;
- Group 11: Westbound Route 60 shoulder 320 meters west of Fairway Drive, KP 32.9;
- Group 12: Westbound Route 60 shoulder 100 meters west of Lemon Avenue, KP 34.6;
- Group 13: Eastbound Route 60 shoulder 100 meters east of Lemon Avenue, KP 34.9;
- Group 14: Eastbound Route 60 shoulder from 300 meters west of Brea Canyon Road to 100 meters west of Brea Canyon Road, KP 35.4/35.6;

- Group 15: Westbound Route 60 shoulder from 600 meters east of Azusa Avenue to 500 meters east of Azusa Avenue, KP 28.1/28.2; and

- Group 16: Eastbound and westbound sides of the Route 60 overcrossing at Stoner Creek Road, KP 30.1.

The objective of the ADL investigation was to evaluate soil at the site for the presence of lead resulting from the historical combustion of leaded fuels from freeway traffic. The information obtained from the limited soil sampling and laboratory testing was used to determine the method of reuse or disposal of soil excavated during the proposed construction activities at the site. The data was also used to inform Caltrans of potential health and safety issues for workers at the site.

1.2 Scope of Work

Geocon performed the following tasks:

1.2.1 Pre-field Activities

- Attended a Task Order meeting on March 16, 2004, to discuss issues such as field methods, boring locations, health and safety measures, and the completion schedule.

- Prepared a Health and Safety Plan (H&SP) dated March 17, 2004, for the proposed activities. The Health and Safety Plan included guidelines for the use of personal protective equipment for Geocon employees during the field activities. The H&SP specifies the safety procedures for work to be performed at the site, chemical hazard information, site safety officers, and medical emergency locations. The H&SP was prepared as required by Contract 43A0078 in general accordance with 29 CFR 1910.120 and CCR Title 8.

- Contacted Underground Service Alert (USA) to notify utility companies of the field activities. The USA ticket numbers are A721202, A721209, A721214, A721219, A721225, A721230, A771623, A771627, and A771630.

1.2.2 Limited Soil Sampling

A 7.62-centimeter diameter hand auger was used to collect 269 soil samples from 73 boring locations throughout the site on March 17, and 18, and April 30, 2004. Boring locations were provided by Caltrans as specified on the figures furnished to Geocon by the Caltrans Contract Manager at the time of the Task Order meeting and by discussions with the Caltrans Contract Manager, for the evaluation of the subsurface condition at the site. Borings locations were divided into 16 groups based on geographical location. Borings were advanced to a maximum depth of 1.5 meters below the ground surface, and soil samples were collected from depths of 0.15, 0.3, 0.6, 0.9, and 1.5 meters below the ground surface. The approximate boring locations are shown on the Boring Location Maps (Figure 2). The borings were subsequently backfilled with the soil cuttings generated.

1.2.3 Laboratory Analyses

Geocon submitted the soil and water samples under chain of custody procedures to Advanced Technology Laboratories (ATL), a California Department of Health Services (CDOHS)-certified analytical laboratory. All soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B. Soil samples exhibiting total lead concentrations greater than or equal to 50 milligrams per kilograms (mg/kg) were analyzed for soluble lead following EPA Test Method 7420 using the WET-Citric method. Samples exhibiting WET-Citric concentrations greater than or equal to 5.0 milligrams per liter (mg/l) were analyzed for soluble lead following EPA Test Method 7420 using the WET-DI method. Samples exhibiting total lead concentrations greater than or equal to 1,000 mg/kg were analyzed for soluble lead using the TCLP following EPA Test Method 1311. A minimum of 25 percent of the samples from each group, with the exception of Group 16, were analyzed for TCLP. If no samples exhibiting total lead concentrations greater than 1,000 mg/kg were reported in a group, the samples with the highest total lead concentration were analyzed by TCLP. The two samples exhibiting the highest total lead concentrations in each group, with the exception of Group 16, were also analyzed for CCR Title 22 metals following EPA Test Method 6010B/7471. Metals included in this analysis are antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. In addition, 67 soil samples, selected at random, were analyzed for pH following EPA Test Method 9045.

A total of 27 equipment blanks were analyzed for total lead using EPA Test Method 6010B.

1.2.4 GPS Surveying

Each boring location was recorded using a Global Positioning System (GPS) receiver. Data was recorded using the Axis III™ receiver system, using State Plane 83 coordinates, with the IMAP™ software package. Boring location coordinates, in latitude and longitude, are provided in Table I.

Each boring location, sample, and analytical test result was entered into a Microsoft 2000 Access database in a format provided by Caltrans. Boreholes were given a unique three digit ID assigned by Caltrans followed by a dash and then sequential numbering beginning with “101.” The unique three digit ID for this EA is 710. The Microsoft 2000 Access database was provided to Caltrans in an electronic submittal.

1.2.5 Report Preparation

This report was prepared as outlined in Contract No. 43A0078 and Task Order No. 07-129411-3C summarizing the results of the aerially deposited lead investigation activities requested by Caltrans.

1.3 Previous Site Investigations

Caltrans has notified Geocon that Engineering Science, Inc. performed lead site investigation on June 22, 1994, under a combined project EA 12940K. However, due to changes in environmental regulations, the data collected were deemed inadequate to provide a complete assessment of the lead contaminated soil. Geocon has not performed a previous investigation at the site.

2. BACKGROUND

2.1 Aerially Deposited Lead in Soil

Testing by Caltrans throughout the State has shown that aerially deposited lead exists in soil along major freeway routes resulting from automobile exhaust containing lead from the combustion of leaded gasoline. Elevated lead concentrations are generally found within 9.1 meters of the edge of pavement and within the top 0.15 meters of soil. Elevated lead concentrations can also be present as deep as 0.60 to 0.90 meters below the surface. The concentration and distribution of aerially deposited lead in soil is dependent on many variables, but in general, traffic volume and age of a highway are the primary factors.

2.2 Hazardous Waste Classification Criteria

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in the CCR, Title 22, Division 4.5, Chapter 11, Article 3, §66261.24. Criteria to classify a waste as "Resource, Conservation and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), §261.

For a waste containing metals, the waste is classified as "California hazardous" when: (1) the total metal content exceeds the Total Threshold Limit Concentration (TTLC); or (2) the soluble metal content exceeds the Soluble Threshold Limit Concentration (STLC) based on a Waste Extraction Test (WET) analysis. A material is classified as "RCRA hazardous" when the soluble metal content exceeds the Federal Regulatory Level based on Toxicity Characteristic Leaching Procedure (TCLP) testing.

The above regulatory criteria are based on toxicity. Wastes may also be classified as hazardous based on other criteria including ignitability, toxicity, corrosivity, and reactivity. However, for the purposes of ADL investigations, toxicity and corrosivity (e.g., chemical concentrations and soil pH values, respectively) are the primary factors considered for waste classification. Waste that is classified as either "California hazardous" or "RCRA hazardous" requires management as a hazardous waste and disposal at an approved disposal facility.

According to §25157.8 of the HSC, after January 1, 1999, no person shall dispose of waste that contains total lead in excess of 350 mg/kg to land other than a Class I hazardous waste disposal facility.

2.3 DTSC Variance

The DTSC issued a variance to selected Caltrans Districts on September 22, 2000, to provide guidance for the disposition of soil containing ADL within Caltrans projects. The California State Assembly passed Assembly Bill (AB) 414, dated October 14, 2001, which allows Caltrans to reuse lead-impacted soil within their right-of-way provided that total lead concentrations do not exceed 1,496 mg/kg. The DTSC further modified the variance in a letter dated December 13, 2002, allowing lead-impacted soil to be reused on-site provided that total lead concentrations do not exceed 3,397 mg/kg. Review of the original and revised variance and AB 414 regarding Caltrans' reuse and management of ADL-impacted soil as fill material for construction and maintenance operations indicates the following conditions.

2.3.1 Condition 1 – Cover with Non-Hazardous Soil

Soil exhibiting soluble lead concentrations less than or equal to 0.5 mg/l (WET-DI) and total lead concentrations of 1,411 mg/kg or less may be used as fill provided that the soil containing ADL is placed a minimum of 1.5 meters above the maximum water table elevation and covered with at least 0.3 meters of non-hazardous soil. Contaminated soil with a pH less than 5.0 shall only be used as fill material under the paved portion of the roadway as described in Condition 3 below.

2.3.2 Condition 2 – Cover with Pavement Structure

Soil exhibiting soluble lead concentrations greater than 0.5 mg/l and less than 50 mg/l (WET-DI) and/or total lead concentrations more than 1,411 mg/kg but less than 3,397 mg/kg may be used as fill provided that the soil containing ADL is placed a minimum of 1.5 meters above the maximum water table elevation and protected from infiltration by a pavement structure maintained by Caltrans.

Contaminated soil with a pH less than 5.0 shall only be used as fill material under the paved portion of the roadway as described in Condition 3 below.

2.3.3 Condition 3

Contaminated soil with a pH less than 5.0 may be used as fill material only under the paved portion of the roadway. Condition 3 prevails under either Condition 1 or 2.

2.4 Criteria for Disposal of Soil Not Intended for Reuse Onsite

If the excavated soil is not intended to be reused within the Caltrans right-of-way, then hazardous waste determination of the soil is based on total and soluble lead concentrations using the lead TTLC and STLC contained in Title 22 of the *CCR* Article 3, §66261.24. When the total lead concentration is greater than ten times the lead STLC, regulatory agencies typically require the WET using citric acid. It is the result from the WET that is compared to the STLC. The TTLC for lead is 1,000 mg/kg and the STLC for lead using acid extract is 5.0 mg/l. However, as previously indicated, disposal of waste that contains total lead in excess of 350 mg/kg to land other than a Class I hazardous waste disposal facility (or other designated facility meeting all the criteria in HSC 25157.8(3)(b)) is prohibited.

Federal or RCRA hazardous waste determination of the soil is based upon the soluble lead concentration using the TCLP as indicated in 40 CFR, §261. The soluble lead limit using the TCLP method is 5.0 mg/l. Under federal law, waste exhibiting a hazardous characteristic as defined by 40 CFR, Chapter 1 §261.10 are prohibited from land disposal except as allowed under §268. Soil that exhibits the characteristic of lead toxicity has the EPA Hazardous Waste Number D008.

3. INVESTIGATIVE METHODS

3.1 Field Methods

3.1.1 Soil Sampling

Soil sampling and handling methods used by Geocon to complete this Task Order are outlined in the Geocon Standard Operating Procedure (SOP) Modified SOP No. 11 - Hand-Augering and Soil Sample Collection/Handling Procedures, presented as Appendix A.

3.1.2 Equipment Blank Sampling

One equipment blank sample was collected per chain-of-custody (every ten soil samples) to verify proper cleaning of the sampling equipment. The equipment blank sample was obtained by passing distilled water over the decontaminated sampling equipment and into laboratory-provided containers.

3.2 Deviations from Work Plan

A work plan was not prepared for this TO; however, Geocon performed the scope of work as described in the TO with the following exception:

- Borings 710-123, 710-129, 710-142, 710-144, and 710-165 were not completed to the proposed depth because of refusal due to the presence of large rocks.

4. INVESTIGATIVE RESULTS AND FIELD OBSERVATIONS

4.1 Site Geology and Hydrology

The soil conditions encountered consisted generally of loose to moderately dense, dry, brown to dark-brown, clayey sand with coarse gravel. Groundwater was not encountered in the hand-auger borings.

4.2 Analytical Laboratory Results

A summary of the results of the laboratory analyses for total lead, WET-Citric, WET-DI, TCLP, and pH is presented in Table I. A summary of the CCR Title 22 metals results is provided in Table II. Reproductions of the laboratory reports and chain-of-custody documentation are presented as Appendix B. All analyses were processed using laboratory seven-business-day turn-around times. Twenty-seven equipment blank water samples were analyzed for total lead. All concentrations were below the detection limit of 0.005 mg/l. Soil sample analytical results are summarized as follows (see Section 1.2.3 for analytical methods used).

4.2.1 Lead and pH Results – Group 1

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 170 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Five soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 2.1 mg/l to 17 mg/l;

- **WET-DI –** Four soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples were below the laboratory reporting limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations were below the laboratory reporting limit of 0.25 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 8.54 to 8.79, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.2 Lead and pH Results – Group 2

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 95 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** One soil sample exhibited a total lead concentration greater than 50 mg/kg, and was analyzed using the WET-Citric method. The WET-Citric concentration was 6.3 mg/l;

- **WET-DI –** One soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and was analyzed using the WET-DI method. The WET-DI concentration in the sample was 0.40 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations and were analyzed by the TCLP method. The TCLP concentrations were below the laboratory reporting limit of 0.25 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.84 to 8.02, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.3 Lead and pH Results – Group 3A

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 350 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Five soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 8.9 mg/l to 24 mg/l;

- **WET-DI –** Five soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples were below the laboratory reporting limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 0.32 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.96 to 8.58, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.4 Lead and pH Results – Group 3B

- **Total Lead –** Fifteen soil samples were analyzed for total lead. Concentrations ranged from 5.4 mg/kg to 420 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Eight soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.90 mg/l to 44 mg/l;

- **WET-DI –** Four soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from 0.33 mg/l to 2.6 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from below the laboratory reporting limit of 0.25 mg/l to 3.3 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 8.26 to 8.45, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.5 Lead and pH Results – Group 4

- **Total Lead –** Fifteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 410 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Seven soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 1.2 mg/l to 38 mg/l;

- **WET-DI –** Five soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from 0.39 mg/l to 5.1 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from 0.26 mg/l to 2.0 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 8.19 to 8.55, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.6 Lead and pH Results – Group 5

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 450 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Six soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 1.1 mg/l to 32 mg/l;

- **WET-DI –** Five soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory detection limit of 0.25 mg/l to 0.53 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from 0.26 mg/l to 1.5 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.59 to 8.68, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.7 Lead and pH Results – Group 6

- **Total Lead –** Fifteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 170 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** One soil sample exhibited a total lead concentration greater than 50 mg/kg, and was analyzed using the WET-Citric method. The WET-Citric concentration was 13 mg/l;

- **WET-DI –** One soil sample exhibited a WET-Citric concentration greater than 5.0 mg/l and was analyzed using the WET-DI method. The WET-DI concentration in the sample was below the laboratory detection limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from below the laboratory detection limit of 0.25 mg/l to 0.78 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.11 to 7.73, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.8 Lead and pH Results – Group 7

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from 6.3 mg/kg to 1,300 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Three soil samples were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 23 mg/l to 49 mg/l;

- **WET-DI –** Three soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from 0.38 mg/l to 0.51 mg/l;

- **TCLP** – Five soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from 0.99 mg/l to 3.5 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.40 to 8.10, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.9 Lead and pH Results – Group 8

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 67 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** One soil sample exhibited a total lead concentration greater than 50 mg/kg, and was analyzed using the WET-Citric method. The WET-Citric concentration was 4.8 mg/l;

- **WET-DI –** None of the soil samples analyzed met the criteria for WET-DI analysis;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations were all below the laboratory detection limit of 0.25 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.78 to 8.20, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.10 Lead and pH Results – Group 9

- **Total Lead –** Seventeen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 25 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** None of the soil samples analyzed met the criteria for WET-Citric analysis;

- **WET-DI –** None of the soil samples analyzed met the criteria for WET-DI analysis;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations were all below the laboratory detection limit of 0.25 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.02 to 8.39, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.11 Lead and pH Results – Group 10

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from 5.3 mg/kg to 540 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Six soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from below the laboratory detection limit of 0.25 mg/l to 59 mg/l;

- **WET-DI –** Five soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory detection limit of 0.25 mg/l to 0.32 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from 0.84 mg/l to 1.2 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.70 to 8.30, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.12 Lead and pH Results – Group 11

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 380 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Eight soil samples were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from below the laboratory detection limit of 0.25 mg/l to 50 mg/l;

- **WET-DI –** Five soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from 0.92 mg/l to 1.9 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from 0.46 mg/l to 3.5 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.41 to 7.99, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.13 Lead and pH Results – Group 12

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 190 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Three soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 6.4 mg/l to 17 mg/l;

- **WET-DI –** Three soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory detection limit of 0.25 mg/l to 0.36 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from below the laboratory detection limit of 0.25 mg/l to 0.88 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.59 to 7.79, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.14 Lead and pH Results – Group 13

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 1,200 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Eight soil samples were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 0.93 mg/l to 66 mg/l;

- **WET-DI –** Four soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples were all below the laboratory detection limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from below the laboratory detection limit of 0.25 mg/l to 3.1 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.00 to 8.39, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.15 Lead and pH Results – Group 14

- **Total Lead –** Fifteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 320 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Three soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 4.6 mg/l to 54 mg/l;

- **WET-DI –** Two soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples were below the laboratory detection limit of 0.25 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from below the laboratory detection limit of 0.25 mg/l to 2.5 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 7.48 to 7.92, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.16 Lead and pH Results – Group 15

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from 11 mg/kg to 770 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** Seven soil samples exhibited a total lead concentration greater than 50 mg/kg, and were analyzed using the WET-Citric method. The WET-Citric concentrations ranged from 2.3 mg/l to 63 mg/l;

- **WET-DI –** Six soil samples exhibited a WET-Citric concentration greater than 5.0 mg/l and were analyzed using the WET-DI method. The WET-DI concentrations in the samples ranged from below the laboratory detection limit of 0.25 mg/l to 1.4 mg/l;

- **TCLP** – Four soil samples exhibiting the highest total lead concentrations were analyzed by the TCLP method. The TCLP concentrations ranged from 0.59 mg/l to 7.3 mg/l. The TCLP for RCRA waste for lead is 5.0 mg/l;

- **pH –** Four soil samples were tested for pH. Values ranged from 6.76 to 7.76, which are above the minimum pH of 5.0 described in the DTSC variance; and

- **Metals –** Two samples were analyzed for CCR Title 22 metals. With the exception of lead, none of the metals concentrations were detected at or above the respective TTLC or ten-times the STLC.

4.2.17 Lead and pH Results – Group 16

- **Total Lead –** Sixteen soil samples were analyzed for total lead. Concentrations ranged from below the reporting limit of 5.0 mg/kg to 7.1 mg/kg. HSC specifies 350 mg/kg as the total lead threshold;

- **WET-Citric –** None of the soil samples analyzed met the criteria for WET-Citric analysis;

- **WET-DI –** None of the soil samples analyzed met the criteria for WET-DI analysis;

- **TCLP** – At Caltrans request none of the soil samples analyzed were submitted for TCLP analysis; and

- **pH –** Four soil samples were tested for pH. Values ranged from 7.77 to 8.23, which are above the minimum pH of 5.0 described in the DTSC variance.

4.3 Data Validation

Geocon and ATL use QA/QC measures to minimize and control errors associated with field and laboratory methods. Field QA/QC measures consist of cleaning sampling equipment between each use with a detergent solution followed by successive rinses in tap and deionized water. Based on the results of the equipment blanks collected as part of this investigation, Geocon considers the field investigation free from potential cross-contamination resulting from inadequate equipment decontamination.

Laboratory QA/QC measures include the use of matrix spikes, duplicates and method blanks, in addition to calculation of percent recovery and relative percentage difference (RPD). A review of the laboratory QA/QC results indicates satisfactory data reporting.

Some of the samples analyzed by the soluble lead were diluted because of high soluble lead concentrations in the sample. A result reported by the laboratory with a practical quantitation limit (PQL) greater than 0.25 mg/l indicates that the sample was diluted because of the conditions stated on a letter from ATL dated June 7, 2004. The dilution factor for each analysis is provided on the laboratory report in the column labeled "DF." The letter from ATL is provided with the laboratory reports in Appendix B.

5. DATA EVALUATION

5.1 Lead Distribution Analysis

The results of the analytical testing indicate that 19 soil samples were above the California disposal threshold of 350 mg/kg total lead content.

5.2 Statistical Evaluation Methods

The analytical laboratory results were evaluated statistically to examine the appropriate method of reuse or off-site disposal of the soils. Prior to performing the following calculations, analytical results reported as below the detection limit were assigned a value of one-half the detection limit. Statistical methods were applied to the lead data set collected adjacent to the site to evaluate: 1) if an acceptable correlation between total and soluble lead concentrations exists that would allow the prediction of soluble lead concentrations based on calculated UCLs; 2) the total lead data population distribution; and 3) the one-sided UCLs on the true means of the total lead concentrations for different soil mixing scenarios.

Statistical methods were also applied to the WET-DI and TCLP lead data sets to evaluate the one-sided UCLs on the true means of the soluble lead concentrations using these analytical methods.

The total lead and WET-Citric data was divided into eastbound and westbound subsets for evaluation of population distribution and correlation and regression analysis.

5.3 Data Correlation

A test for data correlation is used to verify the quality of the equation used to predict soluble lead concentrations. There should be a correlation coefficient ("r") of 0.8 or greater between total and soluble lead (WET-citric) analytical results. The correlation coefficients for the eastbound and westbound data sets were 0.8704 and 0.8935, respectively.

5.4 Regression Analysis

A linear regression analysis is necessary to create a soluble lead prediction model for use with the 90 and 95% UCLs. The model is created by plotting the total lead and soluble lead (WET-Citric) paired data points on a scatter plot chart. A linear regression line is then added to the chart using the following equation:

$$y = mx + b$$

where:

y = *WET Citric result, mg/l*

x = *total lead result, mg/kg*

b = *the y-intercept*

$$m = Slope = \frac{r \times s_t}{s_s}$$

where:

r = *correlation coefficient*

s_t = *standard deviation of the total lead results*

s_s = *standard deviation of the soluble lead results*

The linear equation corresponding to the regression line is then used to predict a soluble lead concentration for the statistical total lead UCLs. The integrity of the equation is directly related to the correlation coefficient described in Section 5.3.

5.5 Population Distribution

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

5.6 Calculating the Upper Confidence Limits for the True Mean

Statistical confidence limits are the classical tool for addressing uncertainties of a distribution mean. The UCLs of the true mean concentration are used as the mean concentrations because it is not possible to know the true mean. The UCLs therefore account for uncertainties due to limited sampling data. As more data are available for a given site, uncertainty decreases and the UCLs move closer to the true mean.

A 90% UCL is desired if the soil is to be reused on-site and a 95% UCL is desired if the soil is to be disposed of offsite or relinquished to a contractor as described in Task Order No. 07-129411-3C. The maximum 90% UCL allowed for reuse of on-site soil is 3,397 mg/kg and the maximum 95 percent UCL allowed for disposal is 350 mg/kg. The one-sided 90% and 95% UCLs of the true mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of site data, equal or exceed the true mean 90% and 95% of the time, respectively. The following statistical equation (from *Chapter Nine, SW-846)* was used to calculate the UCLs:

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

Where:

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

For the purpose of this investigation, the samples were assumed to be collected using systematic random sampling. *Chapter Nine of SW-846* indicates that a statistical transformation should be used if

the data set is not normally distributed, and statistical evaluations should be performed on the transformed scale. Based on calculation of the mean and variance of the data sets and visual interpretation of the data, the data sets should be transformed.

The mean was less than the variance for the non-transformed data indicating that the data set was not normally distributed and transformation was necessary. The raw data was transformed using the arcsine transformation. The arcsine transformation was accomplished by dividing each total lead result by the maximum concentration (this results in a data set of all numbers falling between 0 and 1), calculating the arcsine of the quotient ($y_i = \text{arcsine}(x_i/x_{max})$), performing the statistical calculations on the transformed data, and finally re-converting the result to real numbers ($z_i = x_{max} \sin y_i$).

In order to evaluate different soil excavation scenarios, different UCLs were calculated. Data were divided into data sets corresponding to sample depths. Using these data sets, the UCLs for the true means were calculated for each successive soil layer and for the underlying soil layer. For example, the data from Group 1 was divided into the following four data sets:

- Total lead concentrations for soil samples collected from 0 to 0.15 meters (Data Set A);
- Total lead concentrations for soil samples collected from 0.15 to 0.3 meters (Data Set B);
- Total lead concentrations for soil samples collected from 0.45 to 0.6 meters (Data Set C); and
- Total lead concentrations for soil samples collected from 1.35 to 1.5 meters (Data Set D)

Using the data sets above, the following UCLs for the true means were calculated:

- UCL for the top 0.15 meters of soil (Data Set A) and the UCL for the underlying soil (Data Sets B, C, and D);
- UCL for the top 0.3 meters of soil (Data Sets A and B) and the UCL for the underlying soil (Data Sets C, and D);
- UCL for the top 0.6 meters of soil (Data Sets A, B, and C) and the UCL for the underlying soil (Data Set D and); and
- UCL for the entire 1.5 m soil column (Data Sets A, B, C, and D).

For reference, tables summarizing the results of the 90% and 95% UCLs and predicted soluble lead concentrations are presented below along with reuse and disposal conditions. Additional soil excavation and mixing scenarios can be found on the block diagrams in Appendix C. In instances where the predicted soluble lead concentration was less than zero, the results are stated as below the detection limit.

90% UCL Lead Analysis and Soil Management Summary – Group 1

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	75.88	Yes	0.13	1

95% UCL Lead Analysis and Soil Management Summary – Group 1

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	170.0	14.07	0.13	No	Class I
0.15-1.5	29.45	4.29		Yes	No Restrictions
0-1.5	83.37	8.04		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 2

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI (mg/l)	DTSC Variance Condition
0-0.9	28.84	Yes	0.40	Does not apply

95% UCL Lead Analysis and Soil Management Summary – Group 2

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.9	32.49	3.35	0.13	Yes	No Restrictions

90% UCL Lead Analysis and Soil Management Summary – Group 3A

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	128.60	Yes	0.13	1

95% UCL Lead Analysis and Soil Management Summary – Group 3A

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	346.67	26.36	0.31	No	Class I
0.15-0.9	37.27	4.83		Yes	No Restrictions
0-0.9	142.51	12.15		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 3B

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	174.01	Yes	2.38	2

95% UCL Lead Analysis and Soil Management Summary – Group 3B

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.9	192.47	15.63	3.25	No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 4

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	175.15	Yes	3.83	2

95% UCL Lead Analysis and Soil Management Summary – Group 4

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	416.61	38.27	2.00	No	Class I
0.15-0.9	43.94	4.39		Yes	No Restrictions
0-0.9	195.19	18.14		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 5

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	191.13	Yes	0.45	1

95% UCL Lead Analysis and Soil Management Summary – Group 5

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-1.5	211.43	16.95	1.46	No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 6

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	53.10	Yes	<0.25	1

95% UCL Lead Analysis and Soil Management Summary – Group 6

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	165.53	13.76	0.76	No	Class I
0.15–1.5	20.59	3.67		Yes	No Restrictions
0-1.5	59.81	6.40		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 7

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	394.31	Yes	0.51	2

95% UCL Lead Analysis and Soil Management Summary – Group 7

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	1,276.62	116.44	3.45	No	Class I
0.15-1.5	23.37	2.52		Yes	No restrictions
0-1.5	444.85	40.83		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 8

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	26.87	Yes	<0.25	Does not apply

95% UCL Lead Analysis and Soil Management Summary – Group 8

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-1.5	29.39	3.07	0.13	Yes	No Restrictions

90% UCL Lead Analysis and Soil Management Summary – Group 9

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	10.09	Yes	---	Does not apply

95% UCL Lead Analysis and Soil Management Summary – Group 9

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-1.5	10.94	3.00	0.13	Yes	No Restrictions

90% UCL Lead Analysis and Soil Management Summary – Group 10

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	200.63	Yes	0.31	1

95% UCL Lead Analysis and Soil Management Summary – Group 10

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.9	221.07	17.62	1.20	No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 11

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	191.88	Yes	1.77	2

95% UCL Lead Analysis and Soil Management Summary – Group 11

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.6	261.72	24.19	3.42	No	Class I
0.6-0.9	19.54	2.17		Yes	No Restrictions
0-0.9	209.50	19.44		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 12

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	65.01	Yes	0.36	1

95% UCL Lead Analysis and Soil Management Summary – Group 12

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	186.30	17.33	0.86	No	Class I
0.15-0.9	48.62	4.82		Yes	No Restrictions
0-0.9	72.31	6.97		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 13

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	313.24	Yes	0.13	1

95% UCL Lead Analysis and Soil Management Summary – Group 13

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.3	692.78	50.45	3.01	No	Class I
0.3-0.9	25.24	3.99		Yes	No Restrictions
0-0.9	359.01	27.22		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 14

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-1.5	102.94	Yes	0.13	1

95% UCL Lead Analysis and Soil Management Summary – Group 14

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.15	315.79	24.21	2.42	No	Class I
0.15-1.5	14.88	3.27		Yes	No Restrictions
0-1.5	116.27	10.33		No	Class I

90% UCL Lead Analysis and Soil Management Summary – Group 15

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	277.33	No	0.96	Does Not Apply - Potential RCRA

95% UCL Lead Analysis and Soil Management Summary – Group 15

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.9	307.06	30.15	7.13	No	Potential RCRA hazardous

90% UCL Lead Analysis and Soil Management Summary – Group 16

Soil Interval (m)	Total Lead 90% UCL (mg/kg)	Within Variance?	Soluble Lead WET-DI 90% UCL (mg/l)	DTSC Variance Condition
0-0.9	4.4	Yes	---	Does not apply

95% UCL Lead Analysis and Soil Management Summary – Group 16

Soil Interval (m)	Total Lead 95% UCL (mg/kg)	Predicted Soluble Lead-95% UCL (mg/l)	TCLP 95% UCL (mg/l)	Relinquish	Disposal
0-0.9	4.6	0.8	---	Yes	No Restrictions

6. CONCLUSIONS

A review of the histograms indicated that both the non-transformed total lead and arcsine transformed total lead data sets are skewed to the right. Based upon these observations, relative normality of the data sets cannot be determined. In addition, the mean is less than the variance for each data set; therefore, an arcsine transformation was applied. Histograms, regression analysis charts of total lead VS. soluble lead, and 90% and 95% arcsine UCLs with corresponding soil excavation scenarios shown in block diagrams for each Group are presented as Appendix C. The correlation factors "r" were above the minimum requirement of 0.8. For reference, the regression analysis chart contains the equation for the regression line and the "r" value. Reuse conclusions were based upon comparison of the referenced 90% UCLs for each group to the DTSC Variance, AB 414, and the DTSC Variance modification letter dated December 13, 2002. Conclusions for surplus material and material relinquished to the contractor was based upon comparison of the total lead 95% transformed UCLs to the HSC disposal limit of 350 mg/kg, predicted WET-Citric results to the CCR Title 22 soluble lead threshold of 5.0 mg/l, and TCLP 95% transformed UCLs to the RCRA threshold of 5.0 mg/l.

Analysis of selected soil samples for CCR Title 22 metals did not indicate the presence of any of these elements (other than lead) at or above their respective Total Threshold Limit Concentrations (TTLCs) or 10 times their respective Soluble Threshold Limit Concentrations (STLCs).

GROUP 1

Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 2

Based upon the 90% and 95%, any portion of the upper 0.9 m of soil excavated is suitable for reuse or disposal without restriction.

GROUP 3A

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 3B

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if any portion of the upper 0.9 m of soil is to be disposed, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 4

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 5

Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if any portion of the upper 1.5 m of soil is excavated for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 6

Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 7

Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with

respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 8

Based upon the 90% and 95% UCLs, any portion of the upper 1.5 m of soil excavated is suitable for reuse or disposal without restriction.

GROUP 9

Based upon the 90% and 95% UCLs, any portion of the upper 1.5 m of soil excavated is suitable for reuse or disposal without restriction.

GROUP 10

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if any portion of the upper 0.9 m of soil is excavated for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 11

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.6 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 12

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non-hazardous. If the entire soil column to a depth of 0.9 m is

treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 13

Based upon the total lead and WET-DI 90% UCLs, soils from up to 0.9 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.3 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to lead content. Underlying soil to a depth of 0.9 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 0.9 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 14

Based upon the total lead and WET-DI 90% UCLs, soils from up to 1.5 m beneath the surface would likely be suitable for reuse according to the DTSC Variance. Based upon the 95% UCLs and predicted WET-Citric results, if the upper 0.15 m of soil is excavated separately for disposal, it would likely be classified as a California hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m would likely be characterized as non- hazardous. If the entire soil column to a depth of 1.5 m is treated as a single unit, it would likely be classified as a California hazardous material with respect to soluble lead content. Because the TCLP 95% UCL was less than 5.0 mg/l, it is unlikely that the soil would be classified as a RCRA hazardous waste.

GROUP 15

Based upon the TCLP 95% UCL data set, if any portion of the upper 0.9 m of soil is excavated, it would not be suitable for reuse according to the DTSC variance and would likely be classified as both a California and RCRA hazardous material. The TCLP 95% UCL should be considered a conservative value because it is based upon soil samples with the highest total lead concentrations from the group. Exsitu characterization of the soil may result in a non-RCRA classification.

GROUP 16

Based upon the 90% and 95% UCLs, any portion of the upper 0.9 m of soil excavated is suitable for reuse or disposal without restriction

7. RECOMMENDATIONS

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

Geocon recommends that soil from each Group be managed as follows:

GROUP 1

If the upper 1.5 m of excavated soil is to be reused onsite, it may be used as fill provided that the soil is covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 2

Any portion of the upper 0.9 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

GROUP 3A

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m should be treated as non-hazardous. If the entire soil column to a depth of 0.9 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 3B

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If any portion of the soil column to a depth of 0.9 m is excavated for disposal, it should be treated as a hazardous material with respect to soluble lead content.

GROUP 4

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m should be treated as non-hazardous. If the entire soil column to a depth of 0.9 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 5

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If any portion of the soil column to a depth of 1.5 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 6

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 7

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 8

Any portion of the upper 1.5 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

GROUP 9

Any portion of the upper 1.5 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

GROUP 10

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If any portion of the soil column to a depth of 0.9 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 11

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a pavement structure and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.60 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m should be treated as non-hazardous. If the entire soil column to a depth of 0.9 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 12

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m should be treated as non-hazardous. If the entire soil column to a depth of 0.9 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 13

If any portion of the upper 0.9 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.3 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 0.9 m should be treated as non-hazardous. If the entire soil column to a depth of 0.9 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 14

If any portion of the upper 1.5 m of soil is to be reused on-site, it should be covered by a minimum of 0.3 m non-hazardous soil and placed at least 1.5 m above the maximum groundwater elevation in accordance with the DTSC Variance. If the upper 0.15 m of soil is excavated separately for disposal, it should be treated as a hazardous material with respect to soluble lead content. Underlying soil to a depth of 1.5 m should be treated as non-hazardous. If the entire soil column to a depth of 1.5 m is disposed of, it should be treated as a hazardous material with respect to soluble lead.

GROUP 15

If any portion of the upper 0.9 m of soil from Group 15 is excavated, it should be treated as both a California and RCRA hazardous material with respect to lead content and is not suitable for reuse according to the DTSC variance. Ex-situ soil sampling and analysis for total lead and soluble lead (both WET and TCLP) should be performed prior to offsite disposal.

GROUP 16

Any portion of the upper 0.9 m of soil excavated may be handled as a non-hazardous material and is suitable for reuse or disposal without restriction.

8. REPORT LIMITATIONS

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

The conclusions and recommendations presented herein are based on a limited number of samples collected from in-place soil and from widely spaced locations according to Caltrans-prescribed protocol. The purpose of these sampling and characterization activities was to reasonably predict the character of soil to be disturbed for planned construction activities within the described limits of the Caltrans right-of-way. The disposition and handling of the soil are governed by the California regulations cited above. Although soil samples were analyzed using the TCLP for RCRA waste criteria, a comprehensive statistical characterization of the soil was beyond the scope of work of this task order.

It is possible that soil disturbed, excavated and stockpiled could exceed Federal standards for hazardous waste and may require handling as a RCRA waste. Conversely, additional characterization of individual groups may result in a non-RCRA classification.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The appropriate regulatory agency may require additional investigations. The findings and conclusions as presented in this report are predicated on the results of the limited soil sampling and laboratory analyses performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence, or consultation, either express or implied. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

TABLE I
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
Group 1								
710-101-S	0.15	98	7.5	<0.25	<0.25	---	33.9963446	-117.9287439
710-101-0.3	0.3	<5.0	---	---	---	---	33.9963446	-117.9287439
710-101-0.6	0.6	<5.0	---	---	---	---	33.9963446	-117.9287439
710-101-1.5	1.5	<5.0	---	---	---	8.54	33.9963446	-117.9287439
710-102-S	0.15	100	7.5	<0.25	<0.25	---	33.9963167	-117.9283238
710-102-0.3	0.3	12	---	---	---	---	33.9963167	-117.9283238
710-102-0.6	0.6	<5.0	---	---	---	---	33.9963167	-117.9283238
710-102-1.5	1.5	<5.0	---	---	---	8.64	33.9963167	-117.9283238
710-103-S	0.15	170	17	<0.25	<0.25	---	33.9962969	-117.9279044
710-103-0.3	0.3	23	---	---	---	---	33.9962969	-117.9279044
710-103-0.6	0.6	<5.0	---	---	---	---	33.9962969	-117.9279044
710-103-1.5	1.5	<5.0	---	---	---	8.79	33.9962969	-117.9279044
710-104-S	0.15	160	11	<0.25	<0.25	---	33.9962622	-117.9274923
710-104-0.3	0.3	71	2.1	---	---	---	33.9962622	-117.9274923
710-104-0.6	0.6	<5.0	---	---	---	---	33.9962622	-117.9274923
710-104-1.5	1.5	<5.0	---	---	---	8.63	33.9962622	-117.9274923
Group 2								
710-109-S	0.15	95	6.3	0.40	<0.25	---	33.9960061	-117.9222431
710-109-0.3	0.3	7.9	---	---	<0.25	---	33.9960061	-117.9222431
710-109-0.6	0.6	<5.0	---	---	---	---	33.9960061	-117.9222431
710-109-0.9	0.9	7.9	---	---	---	8.02	33.9960061	-117.9222431

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-110-S	0.15	42	---	---	<0.25	---	33.9959945	-117.9221737
710-110-0.3	0.3	<5.0	---	---	---	---	33.9959945	-117.9221737
710-110-0.6	0.6	<5.0	---	---	---	---	33.9959945	-117.9221737
710-110-0.9	0.9	<5.0	---	---	---	7.94	33.9959945	-117.9221737
710-111-S	0.15	<5.0	---	---	---	---	33.9959855	-117.9221103
710-111-0.3	0.3	<5.0	---	---	---	---	33.9959855	-117.9221103
710-111-0.6	0.6	<5.0	---	---	---	---	33.9959855	-117.9221103
710-111-0.9	0.9	<5.0	---	---	---	7.99	33.9959855	-117.9221103
710-112-S	0.15	32	---	---	<0.25	---	33.995975	-117.9220335
710-112-0.3	0.3	<5.0	---	---	---	---	33.995975	-117.9220335
710-112-0.6	0.6	<5.0	---	---	---	---	33.995975	-117.9220335
710-112-0.9	0.9	<5.0	---	---	---	7.84	33.995975	-117.9220335
Group 3A								
710-113-S	0.15	240	23	<0.25	0.32	---	33.995081	-117.9179039
710-113-0.3	0.3	<5.0	---	---	---	---	33.995081	-117.9179039
710-113-0.6	0.6	9.0	---	---	---	---	33.995081	-117.9179039
710-113-0.9	0.9	10	---	---	---	8.58	33.995081	-117.9179039
710-114-S	0.15	130	12	<0.25	<0.25	8.41	33.9950426	-117.9177196
710-114-0.3	0.3	<5.0	---	---	---	---	33.9950426	-117.9177196
710-114-0.6	0.6	<5.0	---	---	---	---	33.9950426	-117.9177196
710-114-0.9	0.9	11	---	---	---	---	33.9950426	-117.9177196
710-115-S	0.15	350	24	<0.25	<0.25	---	33.994986	-117.9174189

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-115-0.3	0.3	81	14	<0.25		---	33.994986	-117.9174189
710-115-0.6	0.6	26	---	---	---	---	33.994986	-117.9174189
710-115-0.9	0.9	37	---	---	---	8.20	33.994986	-117.9174189
710-116-S	0.15	170	8.9	<0.25	<0.25	---	33.9949342	-117.9170365
710-116-0.3	0.3	5.7	---	---	---	---	33.9949342	-117.9170365
710-116-0.6	0.6	6.6	---	---	---	---	33.9949342	-117.9170365
710-116-0.9	0.9	<5.0	---	---	---	7.96	33.9949342	-117.9170365
Group 3B								
710-117-S	0.15	420	44	2.6	3.3	---	33.994366	-117.9126362
710-117-0.3	0.3	56	1.9	---	---	---	33.994366	-117.9126362
710-117-0.6	0.6	9.4	---	---	---	---	33.994366	-117.9126362
710-117-0.9	0.9	5.4	---	---	---	8.28	33.994366	-117.9126362
710-118-S	0.15	380	33	1.4	1.8	---	33.9943645	-117.9125854
710-118-0.3	0.3	51	0.90	---	---	---	33.9943645	-117.9125854
710-118-0.6	0.6	23	---	---	---	---	33.9943645	-117.9125854
710-118-0.9	0.9	5.9	---	---	---	8.45	33.9943645	-117.9125854
710-119-S	0.15	120	14	0.51	0.40	---	33.9943534	-117.9125187
710-119-0.3	0.3	79	4.3	---	---	---	33.9943534	-117.9125187
710-119-0.6	0.6	9.8	---	---	---	---	33.9943534	-117.9125187
710-119-0.9	0.9	76	1.9	---	---	8.26	33.9943534	-117.9125187
710-120-S	0.15	84	9.8	0.33	<0.25	---	33.9943521	-117.9124452
710-120-0.3	0.3	23	---	---	---	---	33.9943521	-117.9124452

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-120-0.6	0.6	16	---	---	---	8.41	33.9943521	-117.9124452
Group 4								
710-121-S	0.15	410	34	5.1	2.0	---	33.9945314	-117.9101958
710-121-0.3	0.3	55	23	0.45	---	---	33.9945314	-117.9101958
710-121-0.6	0.6	9.9	---	---	---	---	33.9945314	-117.9101958
710-121-0.9	0.9	8.7	---	---	---	8.55	33.9945314	-117.9101958
710-122-S	0.15	420	38	0.77	1.6	---	33.9945348	-117.9101436
710-122-0.3	0.3	61	1.2	---	---	---	33.9945348	-117.9101436
710-122-0.6	0.6	62	2.7	---	---	---	33.9945348	-117.9101436
710-122-0.9	0.9	<5.0	---	---	---	8.55	33.9945348	-117.9101436
710-123-S	0.15	88	5.8	0.61	0.89	---	33.9945314	-117.9100839
710-123-0.3	0.3	<5.0	---	---	---	---	33.9945314	-117.9100839
710-123-0.6	0.6	16	---	---	---	---	33.9945314	-117.9100839
710-124-S	0.15	63	6.4	0.39	0.26	8.32	33.9945314	-117.9100839
710-124-0.3	0.3	15	---	---	---	---	33.9945229	-117.9100195
710-124-0.6	0.6	6.1	---	---	---	---	33.9945229	-117.9100195
710-124-0.9	0.9	8.8	---	---	---	8.19	33.9945229	-117.9100195
Group 5								
710-125-S	0.15	450	32	0.53	1.5	---	33.9939548	-117.9005783
710-125-0.3	0.3	14	---	---	---	---	33.9939548	-117.9005783
710-125-0.6	0.6	14	---	---	---	---	33.9939548	-117.9005783
710-125-1.5	1.5	<5.0	---	---	---	8.68	33.9939548	-117.9005783

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-126-S	0.15	310	32	<0.25	0.97	---	33.9939754	-117.8995173
710-126-0.3	0.3	<5.0	---	---	---	---	33.9939754	-117.8995173
710-126-0.6	0.6	<5.0	---	---	---	---	33.9939754	-117.8995173
710-126-1.5	1.5	<5.0	---	---	---	8.61	33.9939754	-117.8995173
710-127-S	0.15	430	32	0.35	1.5	---	33.9939669	-117.8984496
710-127-0.3	0.3	110	11	<0.25	0.26	---	33.9939669	-117.8984496
710-127-0.6	0.6	100	10	<0.25	---	---	33.9939669	-117.8984496
710-127-1.5	1.5	<5.0	---	---	---	7.59	33.9939669	-117.8984496
710-128-S	0.15	27	---	---	---	---	33.9939725	-117.8974067
710-128-0.3	0.3	6.2	---	---	---	---	33.9939725	-117.8974067
710-128-0.6	0.6	5.3	---	---	---	---	33.9939725	-117.8974067
710-128-1.5	1.5	65	1.1	---	---	8.15	33.9939725	-117.8974067
Group 6								
710-129-S	0.15	170	13	<0.25	0.78	---	33.9939766	-117.8954811
710-129-0.3	0.3	25	---	---	---	---	33.9939766	-117.8954811
710-129-0.6	0.6	26	---	---	---	7.73	33.9939766	-117.8954811
710-131-S	0.15	11	---	---	---	---	33.9939736	-117.894525
710-131-0.3	0.3	7.7	---	---	---	---	33.9939736	-117.894525
710-131-0.6	0.6	7.8	---	---	---	---	33.9939736	-117.894525
710-131-1.5	1.5	8.9	---	---	---	7.11	33.9939736	-117.894525
710-132-S	0.15	31	---	---	<0.25	---	33.9939719	-117.8935972
710-132-0.3	0.3	31	---	---	<0.25	---	33.9939719	-117.8935972

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-132-0.6	0.6	12	---	---	---	---	33.9939719	-117.8935972
710-132-1.5	1.5	<5.0	---	---	---	7.35	33.9939719	-117.8935972
710-133-S	0.15	27	---	---	<0.25	---	33.9939365	-117.8924293
710-133-0.3	0.3	<5.0	---	---	---	---	33.9939365	-117.8924293
710-133-0.6	0.6	<5.0	---	---	---	---	33.9939365	-117.8924293
710-133-1.5	1.5	<5.0	---	---	---	7.26	33.9939365	-117.8924293
Group 7								
710-130-S	0.15	310	23	0.38	2.0	---	33.9943845	-117.8938495
710-130-0.3	0.3	23	---	---	---	---	33.9943845	-117.8938495
710-130-0.6	0.6	12	---	---	---	---	33.9943845	-117.8938495
710-130-1.5	1.5	9.0	---	---	---	7.96	33.9943845	-117.8938495
710-138-S	0.15	550	41	0.51	1.2	---	33.994402	-117.8930326
710-138-0.3	0.3	19	---	---	---	---	33.994402	-117.8930326
710-138-0.6	0.6	31	---	---	---	---	33.994402	-117.8930326
710-138-1.5	1.5	6.3	---	---	---	7.40	33.994402	-117.8930326
710-139-S	0.15	1,300	---	---	3.5	---	33.9944172	-117.8922174
710-139-0.3	0.3	17	---	---	---	---	33.9944172	-117.8922174
710-139-0.6	0.6	21	---	---	---	---	33.9944172	-117.8922174
710-139-1.5	1.5	18	---	---	---	8.10	33.9944172	-117.8922174
710-140-S	0.15	490	49	0.42	0.99	---	33.9944411	-117.891166
710-140-0.3	0.3	28	---	---	---	---	33.9944411	-117.891166
710-140-0.6	0.6	15	---	---	---	---	33.9944411	-117.891166

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-140-1.5	1.5	8.6	---	---	---	7.72	33.9944411	-117.891166
Group 8								
710-134-S	0.15	6.3	---	---	---	---	33.99374	-117.8906944
710-134-0.3	0.3	7.4	---	---	---	---	33.99374	-117.8906944
710-134-0.6	0.6	12	---	---	---	---	33.99374	-117.8906944
710-134-1.5	1.5	27	---	---	<0.25	7.78	33.99374	-117.8906944
710-135-S	0.15	15	---	---	---	---	33.9937137	-117.8906167
710-135-0.3	0.3	5.2	---	---	---	---	33.9937137	-117.8906167
710-135-0.6	0.6	<5.0	---	---	---	---	33.9937137	-117.8906167
710-135-1.5	1.5	<5.0	---	---	---	8.09	33.9937137	-117.8906167
710-136-S	0.15	67	4.8	---	<0.25	---	33.9936819	-117.8905484
710-136-0.3	0.3	30	---	---	<0.25	---	33.9936819	-117.8905484
710-136-0.6	0.6	<5.0	---	---	---	---	33.9936819	-117.8905484
710-136-1.5	1.5	<5.0	---	---	---	8.20	33.9936819	-117.8905484
710-137-S	0.15	48	---	---	<0.25	---	33.9936379	-117.8904741
710-137-0.3	0.3	9.1	---	---	---	---	33.9936379	-117.8904741
710-137-0.6	0.6	7.9	---	---	---	---	33.9936379	-117.8904741
710-137-1.5	1.5	7.4	---	---	---	8.12	33.9936379	-117.8904741
Group 9								
710-141-S	0.15	12	---	---	<0.25	---	33.9927569	-117.8885673
710-141-0.3	0.3	15	---	---	<0.25	---	33.9927569	-117.8885673
710-141-0.6	0.6	<5.0	---	---	---	---	33.9927569	-117.8885673

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-141-1.5	1.5	<5.0	---	---	---	7.02	33.9927569	-117.8885673
710-142-S	0.15	<5.0	---	---	---	---	33.9933871	-117.8882522
710-142-0.3	0.3	<5.0	---	---	---	---	33.9933871	-117.8882522
710-142-0.6	0.6	<5.0	---	---	---	---	33.9933871	-117.8882522
710-143-S	0.15	25	---	---	<0.25	7.95	33.9937681	-117.8875306
710-143-0.3	0.3	<5.0	---	---	---	---	33.9937681	-117.8875306
710-143-0.6	0.6	<5.0	---	---	---	---	33.9937681	-117.8875306
710-144-S	0.15	13	---	---	<0.25	---	33.9938816	-117.8866489
710-144-0.3	0.3	5.3	---	---	---	7.44	33.9938816	-117.8866489
710-144-0.6	0.6	<5.0	---	---	---	---	33.9938816	-117.8866489
710-145-S	0.15	<5.0	---	---	---	---	33.9939037	-117.8857179
710-145-0.3	0.3	5.3	---	---	---	---	33.9939037	-117.8857179
710-145-0.6	0.6	7.6	---	---	<0.25	8.39	33.9939037	-117.8857179
710-145-1.5	1.5	<5.0	---	---	---	---	33.9939037	-117.8857179
Group 10								
710-146-S	0.15	280	35	0.32	1.1	---	33.9953059	-117.8754706
710-146-0.3	0.3	28	---	---	---	---	33.9953059	-117.8754706
710-146-0.6	0.6	19	---	---	---	---	33.9953059	-117.8754706
710-146-0.9	0.9	5.3	---	---	---	7.70	33.9953059	-117.8754706
710-147-S	0.15	34	---	---	---	---	33.9953133	-117.8754212
710-147-0.3	0.3	44	---	---	---	---	33.9953133	-117.8754212
710-147-0.6	0.6	40	---	---	---	---	33.9953133	-117.8754212

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-147-0.9	0.9	14	---	---	---	7.83	33.9953133	-117.8754212
710-148-S	0.15	540	59	0.32	1.2	---	33.9953234	-117.8753506
710-148-0.3	0.3	160	10	<0.25	---	---	33.9953234	-117.8753506
710-148-0.6	0.6	19	---	---	---	---	33.9953234	-117.8753506
710-148-0.9	0.9	64	<0.25	---	---	8.30	33.9953234	-117.8753506
710-149-S	0.15	270	16	<0.25	0.96	---	33.9953357	-117.8752848
710-149-0.3	0.3	230	14	<0.25	0.84	---	33.9953357	-117.8752848
710-149-0.6	0.6	29	---	---	---	---	33.9953357	-117.8752848
710-149-0.9	0.9	12	---	---	---	8.05	33.9953357	-117.8752848
Group 11								
710-150-S	0.15	68	8.3	0.92	---	---	33.9957212	-117.8755535
710-150-0.3	0.3	11	---	---	---	---	33.9957212	-117.8755535
710-150-0.6	0.6	<5.0	---	---	---	---	33.9957212	-117.8755535
710-150-0.9	0.9	<5.0	---	---	---	7.99	33.9957212	-117.8755535
710-151-S	0.15	370	65	1.9	3.5	---	33.9957366	-117.8754974
710-151-0.3	0.3	42	---	---	---	---	33.9957366	-117.8754974
710-151-0.6	0.6	5.6	---	---	---	---	33.9957366	-117.8754974
710-151-0.9	0.9	20	---	---	---	7.84	33.9957366	-117.8754974
710-152-S	0.15	340	39	1.6	1.1	---	33.9957494	-117.8754407
710-152-0.3	0.3	42	---	---	---	---	33.9957494	-117.8754407
710-152-0.6	0.6	<5.0	---	---	---	---	33.9957494	-117.8754407
710-152-0.9	0.9	<5.0	---	---	---	7.54	33.9957494	-117.8754407

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-153-S	0.15	380	18	1.2	0.46	---	33.9957525	-117.8753861
710-153-0.3	0.3	250	23	1.4	0.48	---	33.9957494	-117.8754407
710-153-0.6	0.6	130	0.41	---	---	---	33.9957494	-117.8754407
710-153-0.9	0.9	6.3	---	---	---	7.41	33.9957494	-117.8754407
Group 12								
710-154-S	0.15	79	9.6	<0.25	0.34	---	33.998811	-117.8560656
710-154-0.3	0.3	15	---	---	---	---	33.998811	-117.8560656
710-154-0.6	0.6	14	---	---	---	---	33.998811	-117.8560656
710-154-0.9	0.9	36	---	---	<0.25	7.79	33.998811	-117.8560656
710-155-S	0.15	190	17	0.36	0.88	---	33.9988227	-117.8560079
710-155-0.3	0.3	110	6.4	<0.25	0.29	---	33.9988227	-117.8560079
710-155-0.6	0.6	16	---	---	---	---	33.9988227	-117.8560079
710-155-0.9	0.9	<5.0	---	---	---	7.70	33.9988227	-117.8560079
710-156-S	0.15	<5.0	---	---	---	---	33.9988234	-117.8559695
710-156-0.3	0.3	<5.0	---	---	---	---	33.9988234	-117.8559695
710-156-0.6	0.6	<5.0	---	---	---	---	33.9988234	-117.8559695
710-156-0.9	0.9	35	---	---	---	7.69	33.9988234	-117.8559695
710-157-S	0.15	23	---	---	---	---	33.9988215	-117.855941
710-157-0.3	0.3	<5.0	---	---	---	---	33.9988215	-117.855941
710-157-0.6	0.6	<5.0	---	---	---	---	33.9988215	-117.855941
710-157-0.9	0.9	<5.0	---	---	---	7.59	33.9988215	-117.855941

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
Group 13								
710-158-S	0.15	110	12	<0.25	<0.25	---	33.9988354	-117.8534392
710-158-0.3	0.3	100	8.0	<0.25	---	---	33.9988354	-117.8534392
710-158-0.6	0.6	11	---	---	---	---	33.9988354	-117.8534392
710-158-0.9	0.9	6.7	---	---	---	8.39	33.9988354	-117.8534392
710-159-S	0.15	1,200	---	---	3.1	---	33.9988402	-117.8533885
710-159-0.3	0.3	65	8.8	<0.25	---	---	33.9988402	-117.8533885
710-159-0.6	0.6	<5.0	---	---	---	---	33.9988402	-117.8533885
710-159-0.9	0.9	6.3	---	---	---	8.05	33.9988402	-117.8533885
710-160-S	0.15	8.1	---	---	---	---	33.9988484	-117.8533379
710-160-0.3	0.3	29	---	---	---	---	33.9988484	-117.8533379
710-160-0.6	0.6	13	---	---	---	---	33.9988484	-117.8533379
710-160-0.9	0.9	6.0	---	---	---	7.00	33.9988484	-117.8533379
710-161-S	0.15	180	1.8	---	0.52	---	33.9988601	-117.8532756
710-161-0.3	0.3	110	5.9	<0.25	<0.25	---	33.9988601	-117.8532756
710-161-0.6	0.6	20	---	---	---	---	33.9988601	-117.8532756
710-161-0.9	0.9	37	---	---	---	7.12	33.9988601	-117.8532756
Group 14								
710-162-S	0.15	25	---	---	<0.25	---	33.9997886	-117.8479724
710-162-0.3	0.3	<5.0	---	---	---	---	33.9997886	-117.8479724
710-162-0.6	0.6	<5.0	---	---	---	---	33.9997886	-117.8479724
710-162-1.5	1.5	<5.0	---	---	---	7.48	33.9997886	-117.8479724

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-163-S	0.15	320	54	<0.25	2.5	---	33.9999266	-117.847159
710-163-0.3	0.3	6.2	---	---	---	---	33.9999266	-117.847159
710-163-0.6	0.6	<5.0	---	---	---	---	33.9999266	-117.847159
710-163-1.5	1.5	17	---	---	---	7.71	33.9999266	-117.847159
710-164-S	0.15	180	12	<0.25	<0.25	---	34.0000723	-117.8464932
710-164-0.3	0.03	24	---	---	---	---	34.0000723	-117.8464932
710-164-0.6	0.06	13	---	---	---	---	34.0000723	-117.8464932
710-164-1.5	1.5	<5.0	---	---	---	7.92	34.0000723	-117.8464932
710-165-S	0.15	71	4.6	---	<0.25	---	34.0002115	-117.8457965
710-165-0.3	0.3	6.8	---	---	---	---	34.0002115	-117.8457965
710-165-0.6	0.6	14	---	---	---	7.89	34.0002115	-117.8457965
Group 15								
710-105-S	0.15	770	63	1.4	7.3	---	33.9964501	-117.9257128
710-105-0.3	0.3	200	11	<0.25	---	---	33.9964501	-117.9257128
710-105-0.6	0.6	15	---	---	---	---	33.9964501	-117.9257128
710-105-0.9	0.9	61	2.3	---	---	7.76	33.9964501	-117.9257128
710-106-S	0.15	390	55	0.47	1.5	---	33.9964019	-117.9253201
710-106-0.3	0.3	20	---	---	---	---	33.9964019	-117.9253201
710-106-0.6	0.6	30	---	---	---	---	33.9964019	-117.9253201
710-106-0.9	0.9	31	---	---	---	7.65	33.9964019	-117.9253201
710-107-S	0.15	350	33	<0.25	0.59	---	33.9963542	-117.9249394
710-107-0.3	0.3	54	6.6	<0.25	---	---	33.9963542	-117.9249394

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-107-0.6	0.6	11	---	---	---	---	33.9963542	-117.9249394
710-107-0.9	0.9	11	---	---	---	7.30	33.9963542	-117.9249394
710-108-S	0.15	380	56	0.34	2.2	---	33.996302	-117.92455
710-108-0.3	0.3	11	---	---	---	---	33.996302	-117.92455
710-108-0.6	0.6	29	---	---	---	---	33.996302	-117.92455
710-108-0.9	0.9	13	---	---	---	6.76	33.996302	-117.92455
Group 16								
710-166-0.3	0.3	<5.0	---	---	---	---	33.9945302	-117.9117019
710-166-0.9	0.9	<5.0	---	---	---	---	33.9945302	-117.9117019
710-167-0.3	0.3	7.1	---	---	---	7.77	33.9944773	-1179117029
710-167-0.9	0.9	<5.0	---	---	---	---	33.9944773	-1179117029
710-168-0.3	0.3	5.9	---	---	---	8.23	33.9944217	-1179117002
710-168-0.9	0.9	<5.0	---	---	---	---	33.9944217	-1179117002
710-169-0.3	0.3	<5.0	---	---	---	---	33.994376	-1179116912
710-169-0.9	0.9	<5.0	---	---	---	---	33.994376	-1179116912
710-170-0.3	0.3	<5.0	---	---	---	8.19	33.9945349	-117.911908
710-170-0.9	0.9	<5.0	---	---	---	---	33.9945349	-117.911908
710-171-0.3	0.3	<5.0	---	---	---	---	33.994489	-117.9119112
710-171-0.9	0.9	<5.0	---	---	---	---	33.994489	-117.9119112
710-172-0.3	0.3	6.8	---	---	---	7.85	33.9944311	-117.9119113
710-172-0.9	0.9	<5.0	---	---	---	---	33.9944311	-117.9119113
710-173-0.3	0.3	<5.0	---	---	---	---	33.9943779	-117.9119058

TABLE I (continued)
SUMMARY OF SOIL SAMPLE ANALYTICAL LABORATORY RESULTS - LEAD AND PH – GIS DATA
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Sample ID	Depth	Total Lead EPA Test Method 6010 (mg/kg)	Soluble Lead WET-Citric EPA Test Method 7420 (mg/l)	Soluble Lead WET-DI Water EPA Test Method 7420n (mg/l)	Soluble Lead TCLP EPA Test Method 7420 (mg/l)	Soil pH EPA Test Method 9045	Degrees Lat.	Degrees Long.
710-173-0.9	0.9	<5.0	---	---	---	---	33.9943779	-117.9119058

Notes:
mg/kg = milligrams per kilogram
mg/l = milligrams per liter
< = Not detected at or above specified laboratory reporting limits
TCLP = Toxicity Characteristic Leaching Procedure
EPA = United States Environmental Protection Agency
--- = analysis not performed

TABLE II
SUMMARY OF CCR TITLE 22 METALS RESULTS
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Group 1																	
710-103-S	<1.0	<1.0	100	<1.0	1.2	14	6.3	22	200	<0.10	1.4	16	<1.0	<1.0	<1.0	31	180
710-104-S	<1.0	<1.0	110	<1.0	<1.0	16	5.8	27	210	<0.10	1.7	17	<1.0	<1.0	<1.0	32	160
Group 2																	
710-109-S	<1.0	3.8	100	<1.0	<1.0	12	5.5	35	94	<0.10	2.0	10	<1.0	<1.0	<1.0	22	130
710-110-S	<1.0	<1.0	69	<1.0	<1.0	19	5.3	13	29	<0.10	<1.0	12	<1.0	<1.0	<1.0	22	43
Group 3A																	
710-113-S	<1.0	<1.0	81	<1.0	1.1	20	6.1	40	210	<0.10	3.7	17	<1.0	<1.0	<1.0	26	190
710-115-S	<1.0	<1.0	110	<1.0	<1.0	18	6.5	68	250	<0.10	2.0	18	<1.0	<1.0	<1.0	30	200
Group 3B																	
710-117-S	<1.0	<1.0	70	<1.0	<1.0	12	4.6	36	410	<0.10	1.9	10	<1.0	<1.0	<1.0	18	110
710-118-S	<1.0	<1.0	60	<1.0	<1.0	9.7	3.7	25	380	<0.10	1.0	8.6	<1.0	<1.0	<1.0	15	92
Group 4																	
710-121-S	<1.0	<1.0	73	<1.0	<1.0	12	5.0	24	430	<0.10	<1.0	9.7	<1.0	<1.0	<1.0	21	90
710-122-S	<1.0	<1.0	82	<1.0	<1.0	13	4.9	28	290	<0.10	1.2	13	<1.0	<1.0	<1.0	21	110
Group 5																	
710-125-S	<1.0	<1.0	98	<1.0	1.8	21	5.1	70	500	<0.10	3.4	19	<1.0	<1.0	<1.0	23	270
710-127-S	<1.0	<1.0	100	<1.0	<1.0	13	4.2	18	410	<0.10	1.1	9.3	<1.0	<1.0	<1.0	20	75

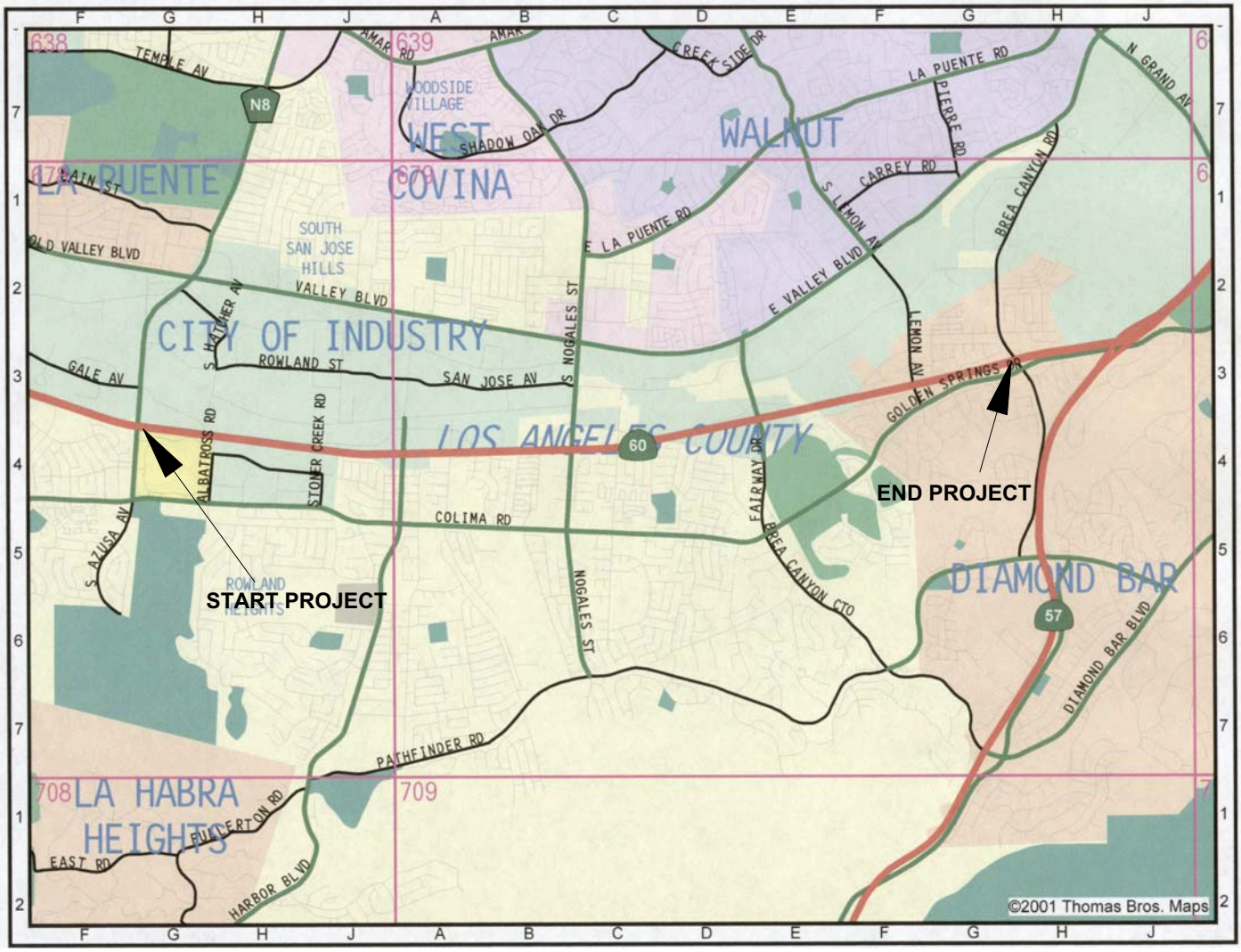
TABLE II (Continued)
SUMMARY OF CCR TITLE 22 METALS RESULTS
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Group 6																	
710-132-S	<1.0	<1.0	98	<1.0	<1.0	61	4.5	9.6	21	0.15	<1.0	5.8	2.4	<1.0	<1.0	46	27
710-129-S	<1.0	<1.0	82	<1.0	<1.0	9.7	3.8	18	180	0.16	<1.0	7.4	<1.0	<1.0	<1.0	18	52
Group 7																	
710-138-S	<1.0	<1.0	93	<1.0	<1.0	16	5.9	49	590	<0.10	1.5	15	<1.0	<1.0	<1.0	24	170
710-139-S	<1.0	<1.0	110	<1.0	<1.0	19	5.1	55	1,000	<0.10	1.3	16	<1.0	<1.0	<1.0	20	220
Group 8																	
710-136-S	<1.0	<1.0	110	<1.0	<1.0	15	6.3	17	100	<0.10	1.3	13	<1.0	<1.0	<1.0	32	140
710-137-S	<1.0	<1.0	87	<1.0	<1.0	13	5.7	11	40	<0.10	<1.0	12	<1.0	<1.0	<1.0	30	60
Group 9																	
710-141-S	<1.0	<1.0	80	<1.0	<1.0	13	5.9	12	18	<0.10	<1.0	9.8	<1.0	<1.0	<1.0	26	45
710-143-S	<1.0	<1.0	81	<1.0	<1.0	15	6.9	15	39	<0.10	<1.0	12	<1.0	<1.0	<1.0	29	60
Group 10																	
710-146-S	<1.0	<1.0	140	<1.0	<1.0	15	4.0	90	320	<0.10	2.3	14	<1.0	<1.0	<1.0	21	380
710-148-S	4.1	<1.0	130	<1.0	1.9	23	5.5	110	760	<0.10	7.8	25	<1.0	<1.0	<1.0	27	370
Group 11																	
710-151-S	<1.0	<1.0	91	<1.0	<1.0	12	3.9	24	380	<0.10	1.4	14	<1.0	<1.0	<1.0	16	110
710-153-S	<1.0	<1.0	93	<1.0	<1.0	11	5.0	28	260	<0.10	2.0	11	<1.0	<1.0	<1.0	19	120
Group 12																	
710-155-S	<1.0	4.8	140	<1.0	<1.0	24	8.0	69	310	<0.10	2.0	18	<1.0	<1.0	<1.0	32	150
710-155-0.3	<1.0	5.5	140	<1.0	<1.0	27	9.0	110	110	<0.10	4.5	20	<1.0	<1.0	1.0	36	150

TABLE II (Continued)
SUMMARY OF CCR TITLE 22 METALS RESULTS
ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421

Element	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TTLC (mg/kg)	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC (mg/l)	15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
Group 13																	
710-159-S	<1.0	<1.0	110	<1.0	2.0	23	5.9	58	940	0.16	6.3	21	<1.0	<1.0	<1.0	36	160
710-161-S	<1.0	<1.0	130	<1.0	<1.0	16	5.0	9.0	81	<0.10	2.0	10	<1.0	<1.0	<1.0	30	41
Group 14																	
710-163-S	<1.0	<1.0	140	<1.0	2.2	27	5.9	30	610	<0.10	6.6	28	<1.0	<1.0	<1.0	46	120
710-164-S	<1.0	<1.0	99	<1.0	<1.0	13	3.4	56	130	<0.10	2.7	16	<1.0	<1.0	<1.0	18	200
Group 15																	
710-105-S	<1.0	<1.0	93	<1.0	<1.0	18	5.5	74	770	<0.10	1.4	15	<1.0	<1.0	<1.0	24	230
710-106-S	<1.0	<1.0	78	<1.0	<1.0	17	4.4	140	430	<0.10	1.1	12	<1.0	<1.0	<1.0	20	170

Notes:
mg/l = milligrams per liter
mg/kg = milligrams per kilogram
STLC = Soluble Threshold Limit Concentration
TTLC = Total Threshold Limit Concentration
<1.0 = Not detected at or above specified laboratory reporting limits



SOURCE: Los Angeles and Ventura Counties (2004)
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CONSULTANTS, INC.
ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

MPC		8000

VICINITY MAP

ROUTE 60 KP 28.97-37.01
CALTRANS TO 07-129411-3C
SEGMENT 2, EA 129421
LOS ANGELES, CALIFORNIA

MAY 18, 2004	PROJECT NO. 09100-06-111	FIG. 1

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

REGISTERED CIVIL ENGINEER 0-00-00

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER XXXX XXXXXX No. 00000 Exp. 0-00-00 CIVIL STATE OF CALIFORNIA

Caltrans Metric

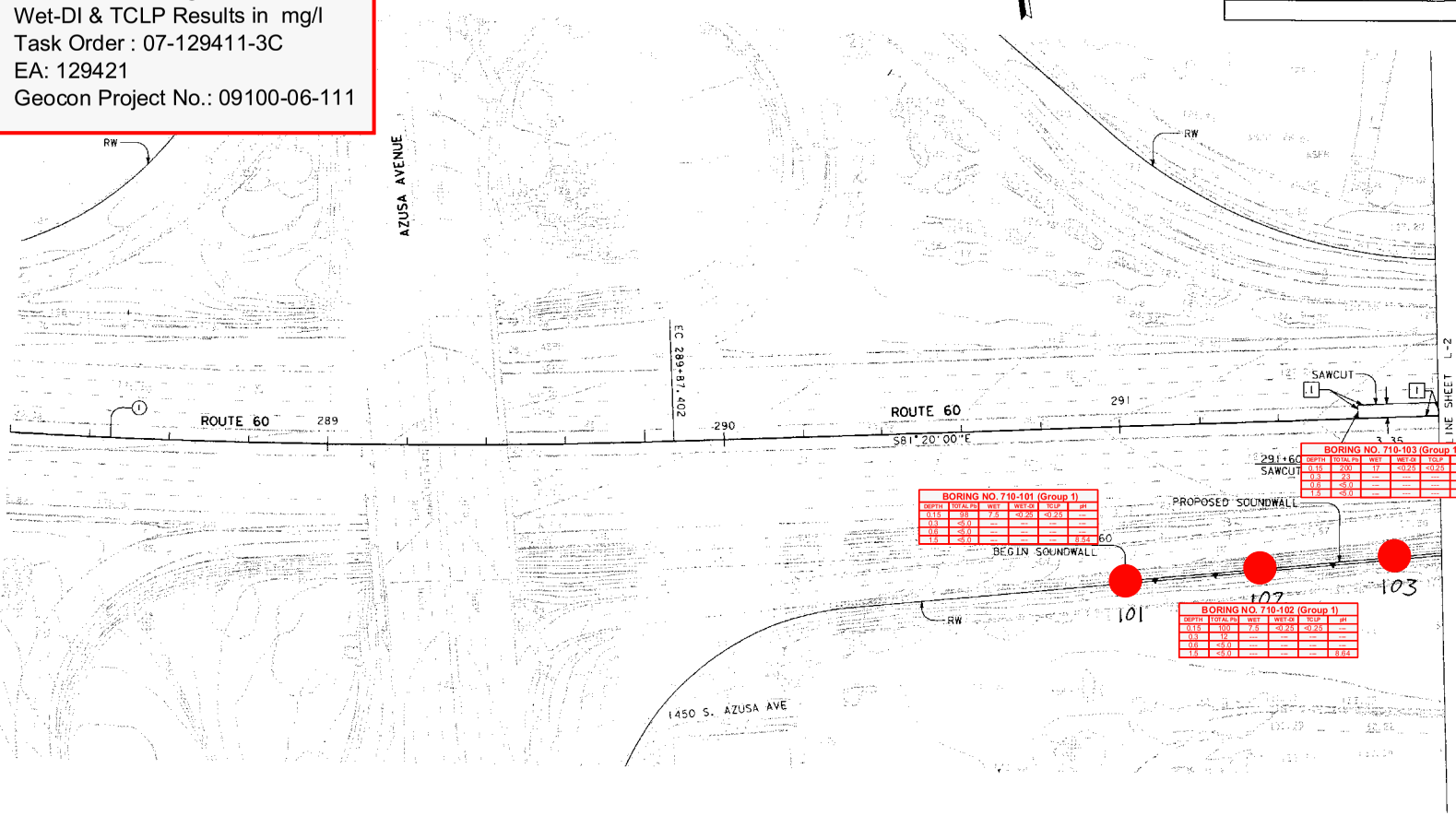
LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURVE DATA

NO	R	Δ	T	L
1	1828.68	5°52'20"	93.79	187.42



BORING NO. 710-101 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	88	7.5	<0.25	<0.25	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.54

BORING NO. 710-102 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	7.5	<0.25	<0.25	---
0.3	12	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.64

BORING NO. 710-103 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	200	17	<0.25	<0.25	---
0.3	23	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.79

LAYOUT

SCALE 1:500

L-1

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\712942e01.dgn

CU 07242

EA 129421

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

PROJECT ENGINEER LE NGUYEN

CALCULATED/DESIGNED BY XX XXXXX DATE

CHECKED BY

REVISED BY DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:12:07

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

0-00-00
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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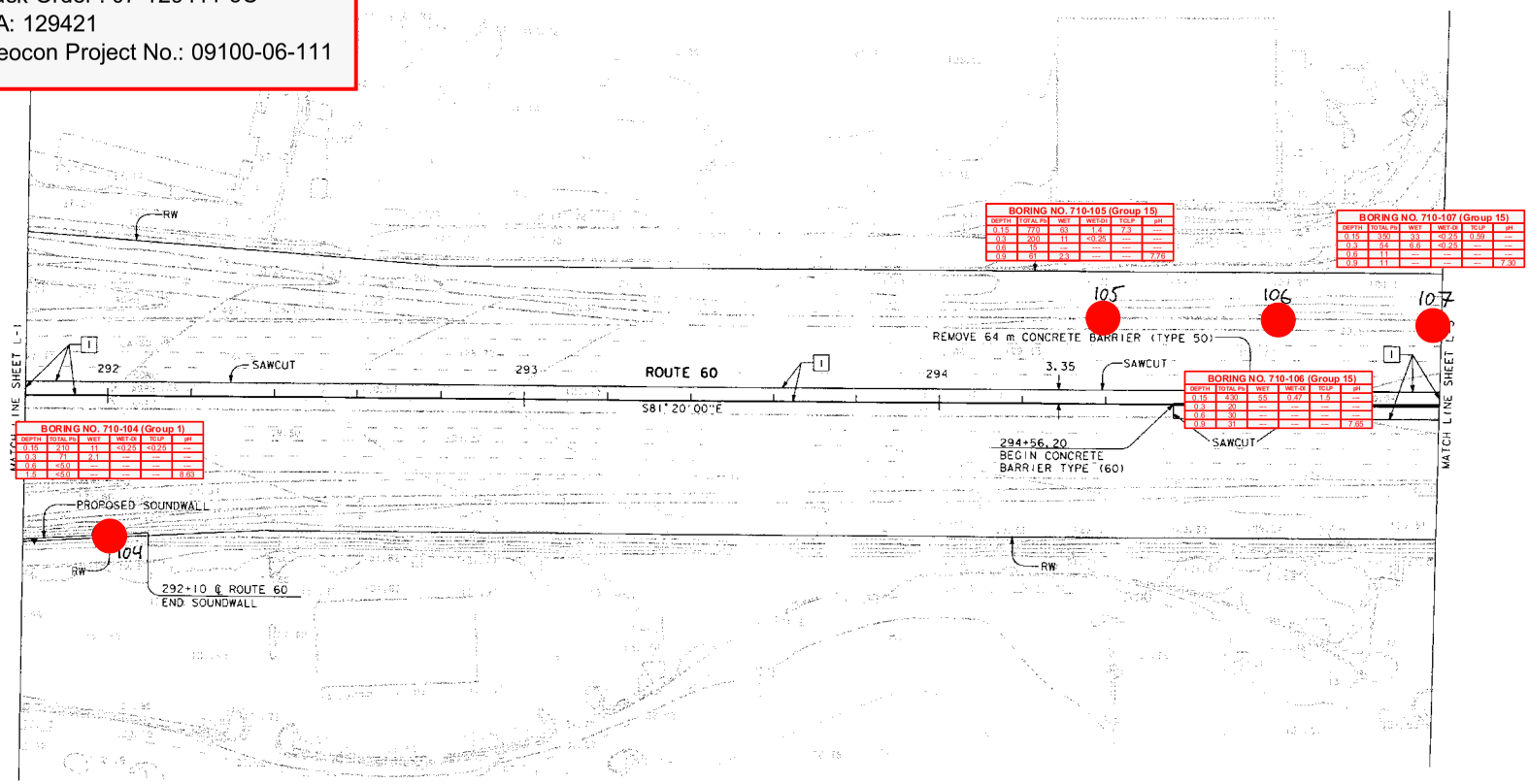
REGISTERED PROFESSIONAL ENGINEER XXXX XXXXXX NO. 00000 EXP. 0-00-00 CIVIL STATE OF CALIFORNIA

Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-105 (Group 15)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	720	63	1.4	7.3	—
0.3	200	11	<0.25	—	—
0.6	16	—	—	—	—
0.9	61	2.3	—	—	7.76

BORING NO. 710-107 (Group 15)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	350	33	<0.25	0.59	—
0.3	54	6.6	<0.25	—	—
0.6	11	—	—	—	—
0.9	11	—	—	—	7.30

BORING NO. 710-106 (Group 15)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	430	55	0.47	1.3	—
0.3	20	—	—	—	—
0.6	30	—	—	—	—
0.9	31	—	—	—	7.65

BORING NO. 710-104 (Group 1)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	210	11	<0.25	<0.25	—
0.3	71	2.1	—	—	—
0.6	<5.0	—	—	—	—
1.5	<5.0	—	—	—	8.63

LAYOUT

SCALE 1:500

SCALE 1:500

L-2

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => tnguyen1
DGN FILE => ...\712942a02.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:22:46

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

PROJECT ENGINEER: LE NGUYEN

CALCULATED/DESIGNED BY: XX XXXXX
CHECKED BY

DATE | REVISED BY
DATE REVISED

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

0-00-00
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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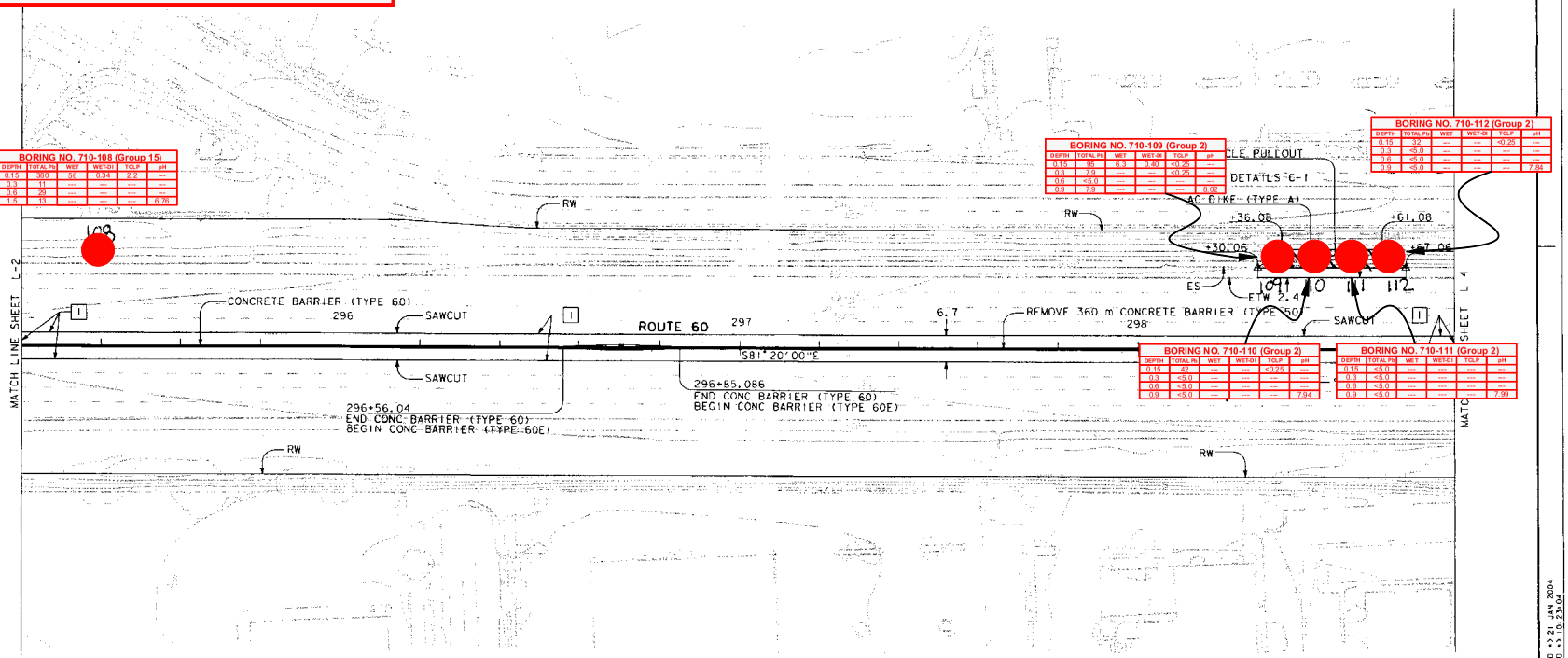
REGISTERED PROFESSIONAL ENGINEER XXXX XXXXXX NO. 00000 0-00-00 CIVIL STATE OF CALIFORNIA

Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-108 (Group 15)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	380	56	0.34	2.2	---
0.3	11	---	---	---	---
0.6	29	---	---	---	---
1.5	13	---	---	---	6.78

BORING NO. 710-109 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	95	6.3	0.40	<0.25	---
0.3	79	---	---	<0.25	---
0.6	<5.0	---	---	---	---
0.9	7.9	---	---	---	8.02

BORING NO. 710-110 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	47	---	---	<0.25	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
0.9	<5.0	---	---	---	7.94

BORING NO. 710-111 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
0.9	<5.0	---	---	---	7.99

BORING NO. 710-112 (Group 2)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	32	---	---	<0.25	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
0.9	<5.0	---	---	---	7.94

LAYOUT
SCALE 1:500

L-3

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

PROJECT ENGINEER: LE NGUYEN
CALCULATED/DESIGNED BY: XX XXXXX
CHECKED BY
REVISED BY
DATE REVISED
DATE

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

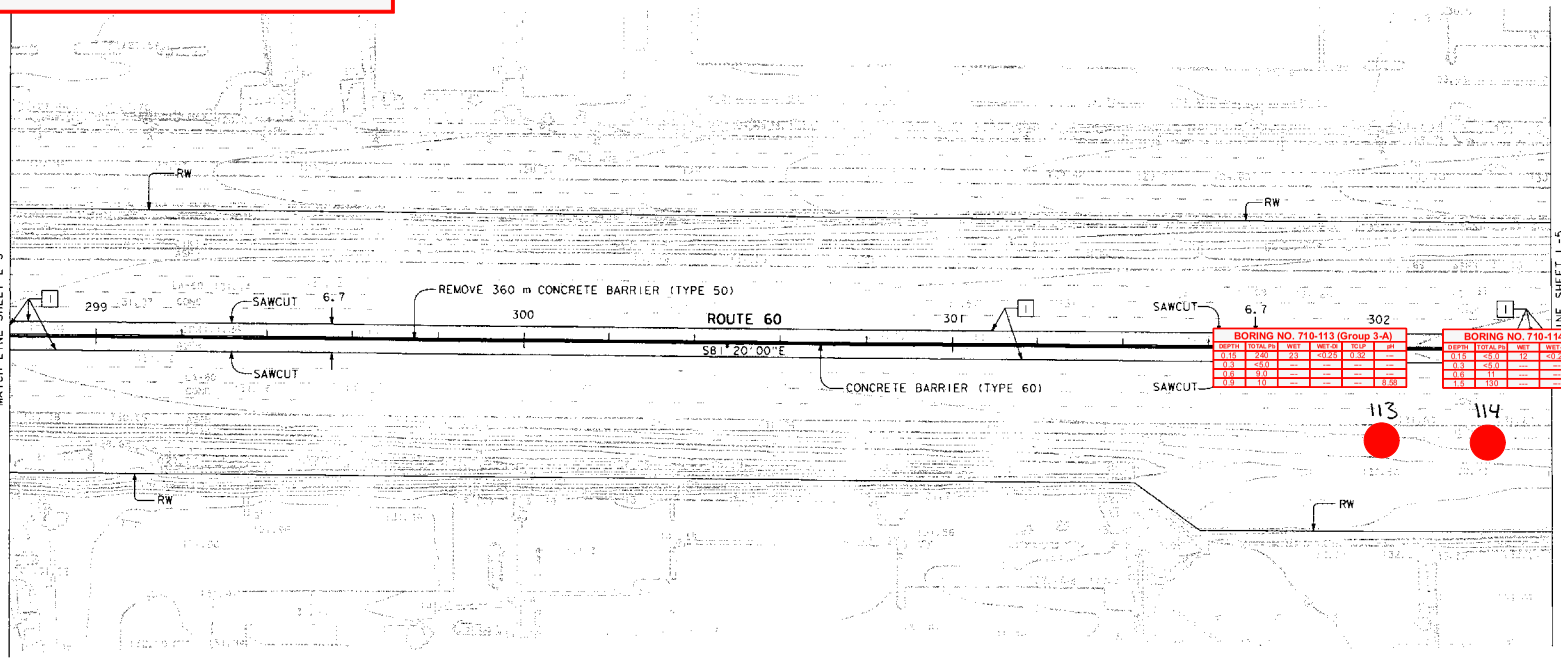
USERNAME => lnguyen1
DGN FILE => ...\712942e03.dgn

CU 07242 | EA 129421

LAST REVISION 00-00-00 | DATE PLOTTED => 21 JAN 2004 | TIME PLOTTED => 10:23:04

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-113 (Group 3-A)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	240	23	<0.25	0.32	---
0.3	450	---	---	---	---
0.6	90	---	---	---	---
0.9	10	---	---	---	8.58

BORING NO. 710-114 (Group 3-A)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	12	<0.25	<0.25	8.41
0.3	<5.0	---	---	---	---
0.6	11	---	---	---	---
1.5	100	---	---	---	---

LAYOUT

SCALE 1:500

L-4

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE =>...\72942e04.dgn

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS

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REGISTERED CIVIL ENGINEER
PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

PROJECT ENGINEER: LE NGUYEN
CALCULATED/DESIGNED BY: XX XXXXX
CHECKED BY
DATE REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:23:38

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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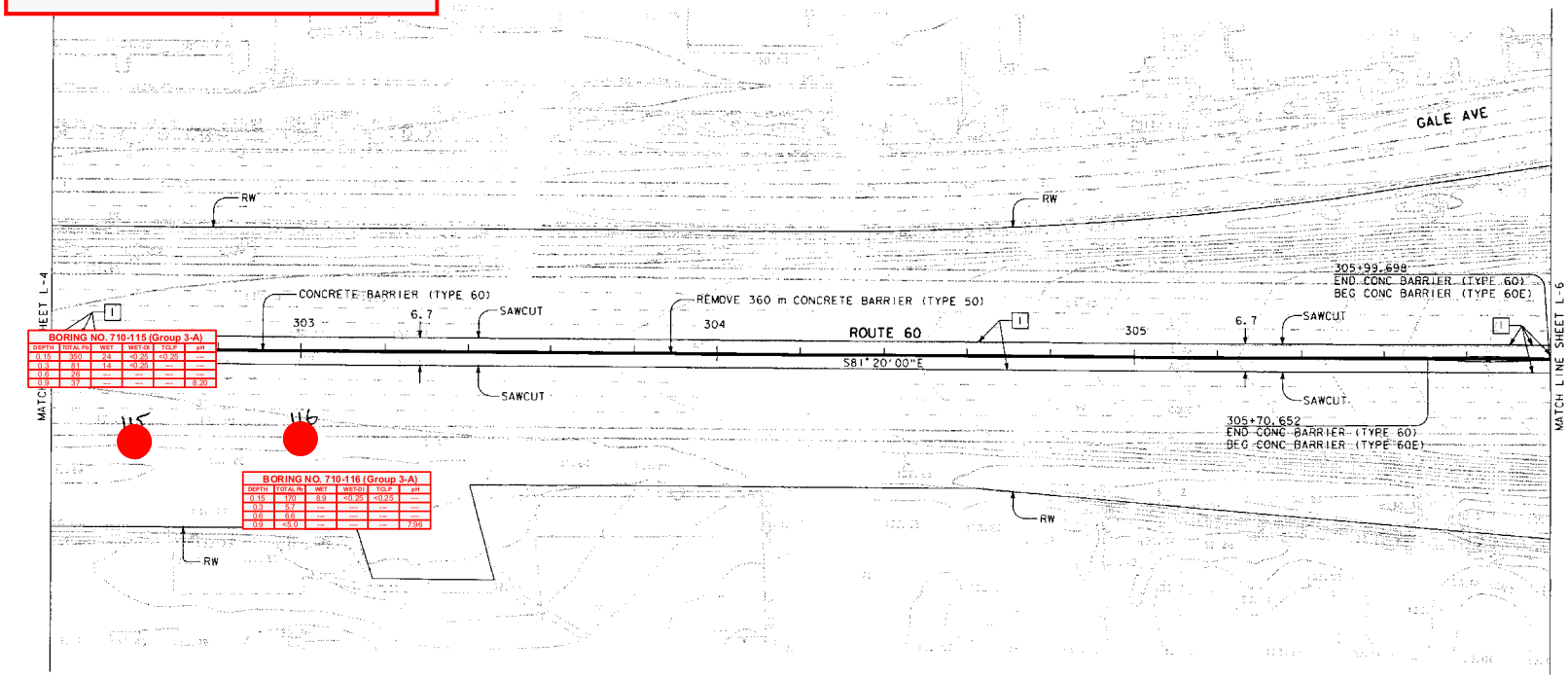

BORING NO. 710-115 (Group 3-A)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	300	24	<0.25	<0.25	---
0.3	81	14	<0.25	---	---
0.6	26	---	---	---	---
0.9	37	---	---	---	8.20

BORING NO. 710-116 (Group 3-A)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	170	8.9	<0.25	<0.25	---
0.3	57	---	---	---	---
0.6	6.6	---	---	---	---
0.9	<5.0	---	---	---	7.96

LAYOUT

SCALE 1:500

L-5

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

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USERNAME => lnguyen1
DGN FILE => ...\712942e05.dgn

CU 07242

EA 129421

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Caltrans
DESIGN

PROJECT ENGINEER: LE NGUYEN
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DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:24:13

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURVE DATA

NO	R	Δ	T	L
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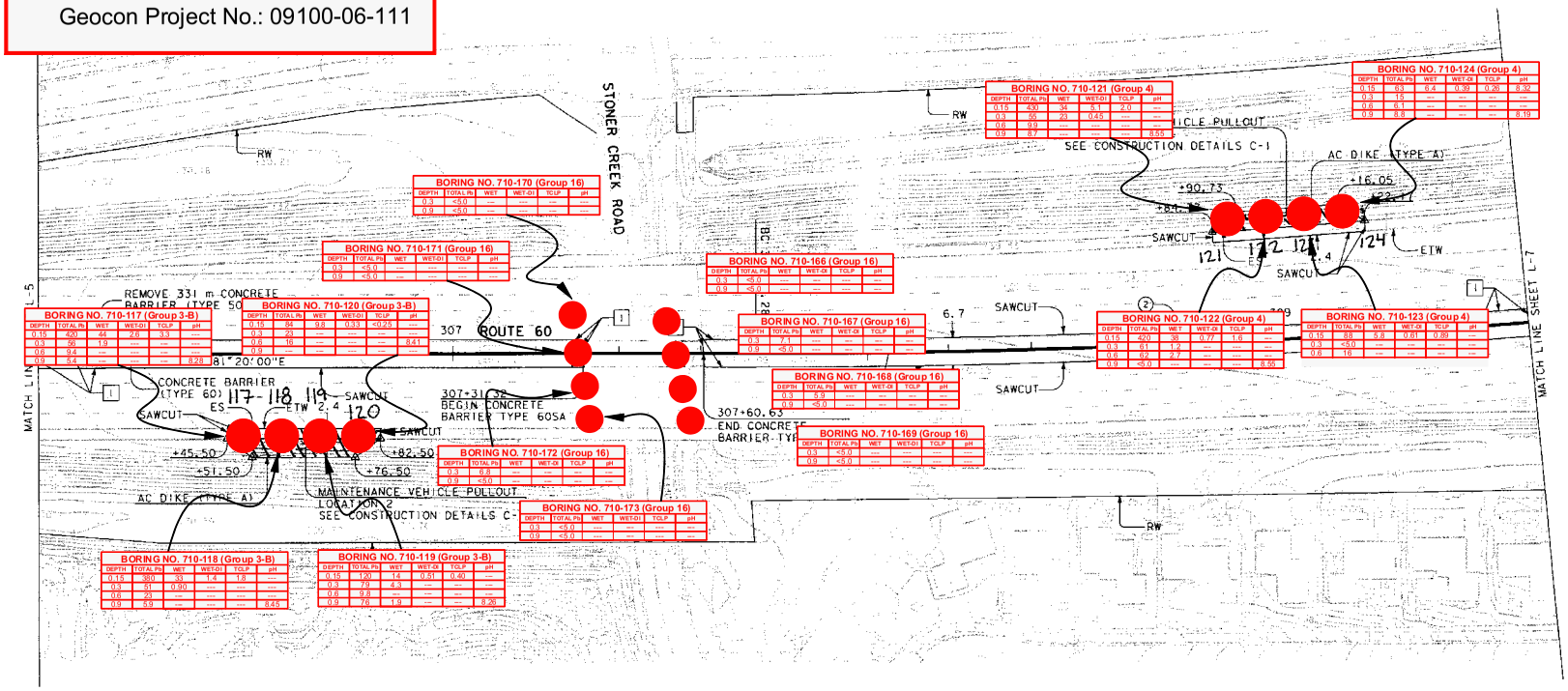

LAYOUT

SCALE 1:500

L-6

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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DGN FILE => ...\712942e06.dgn

CU 07242 | EA 129421

LAST REVISION 00-00-00 | DATE PLOTTED => 21-JAN-2004 | TIME PLOTTED => 10:24:50

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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PROJECT ENGINEER LE NGUYEN

CALCULATED/DESIGNED BY XX XXXXX | CHECKED BY | REVISED BY | DATE REVISED | DATE

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.0		

REGISTERED CIVIL ENGINEER 0-00-00

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER XXXXX XXXXXX No. 00000 EXP. 0-00-00 CIVIL STATE OF CALIFORNIA

Caltrans Metric

GEOCON

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURVE DATA

NO	R	Δ	T	L
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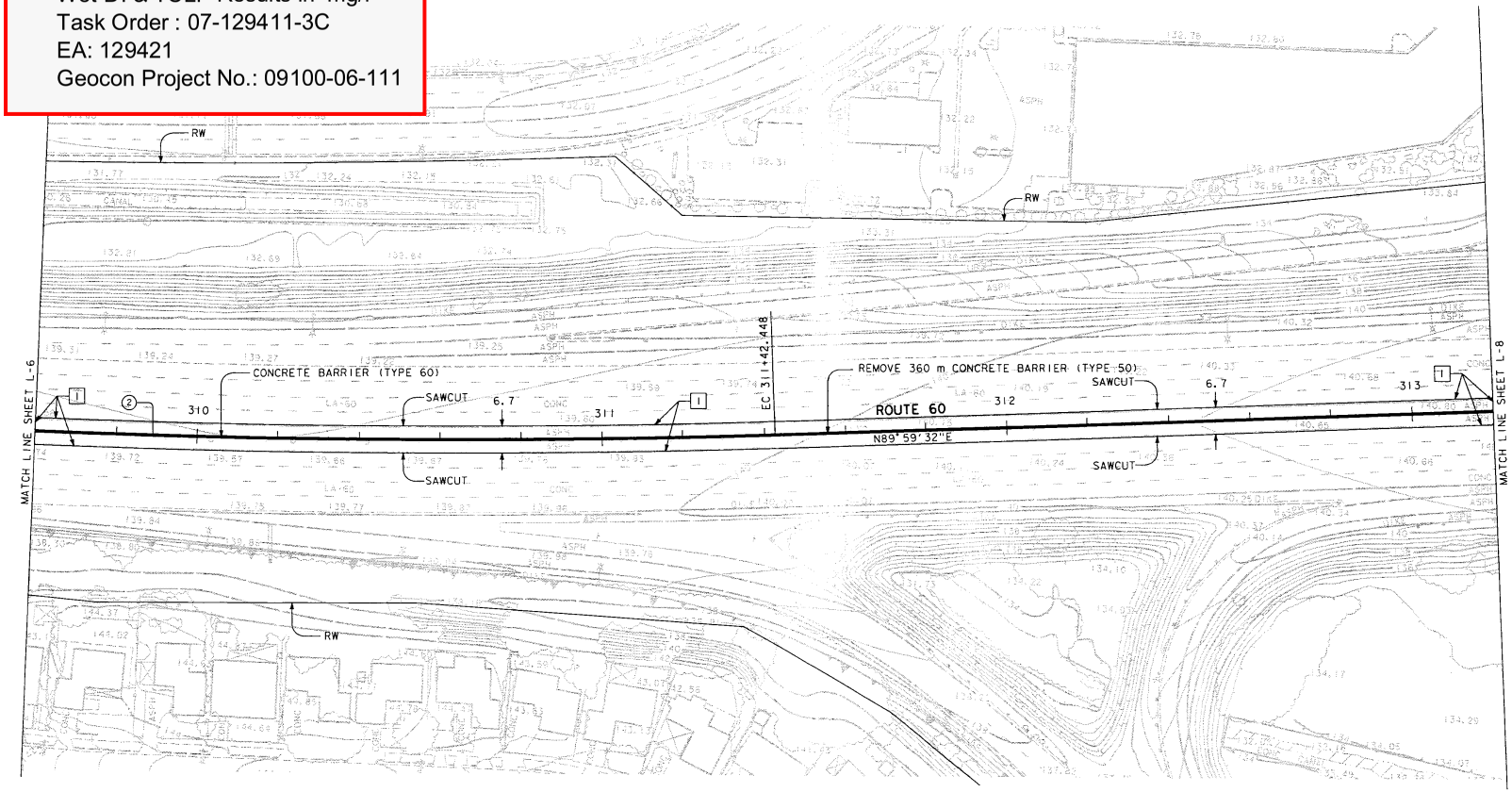

LAYOUT
SCALE 1:500

L-7

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE =>...\712942e07.dgn

CU 07242

EA 129421

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

PROJECT ENGINEER LE NGUYEN

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DATE REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:29:39

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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PLANS APPROVAL DATE

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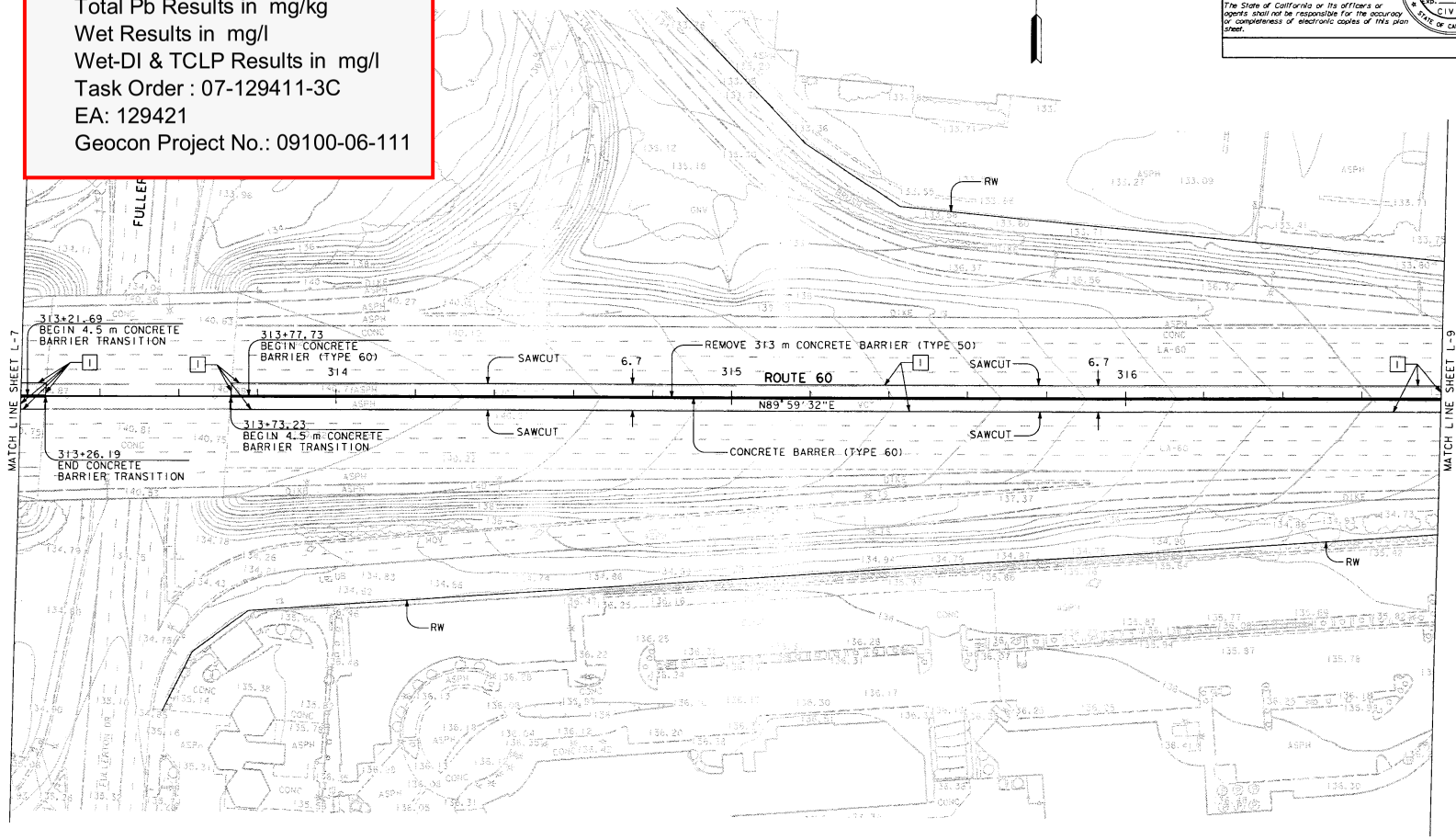
Caltrans Metric

GEOCON

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



LAYOUT

SCALE 1:500

L-8

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER	CALCULATED/DESIGNED BY	DATE	REVISED BY
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		CHECKED BY		DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\712942e08.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:26:07

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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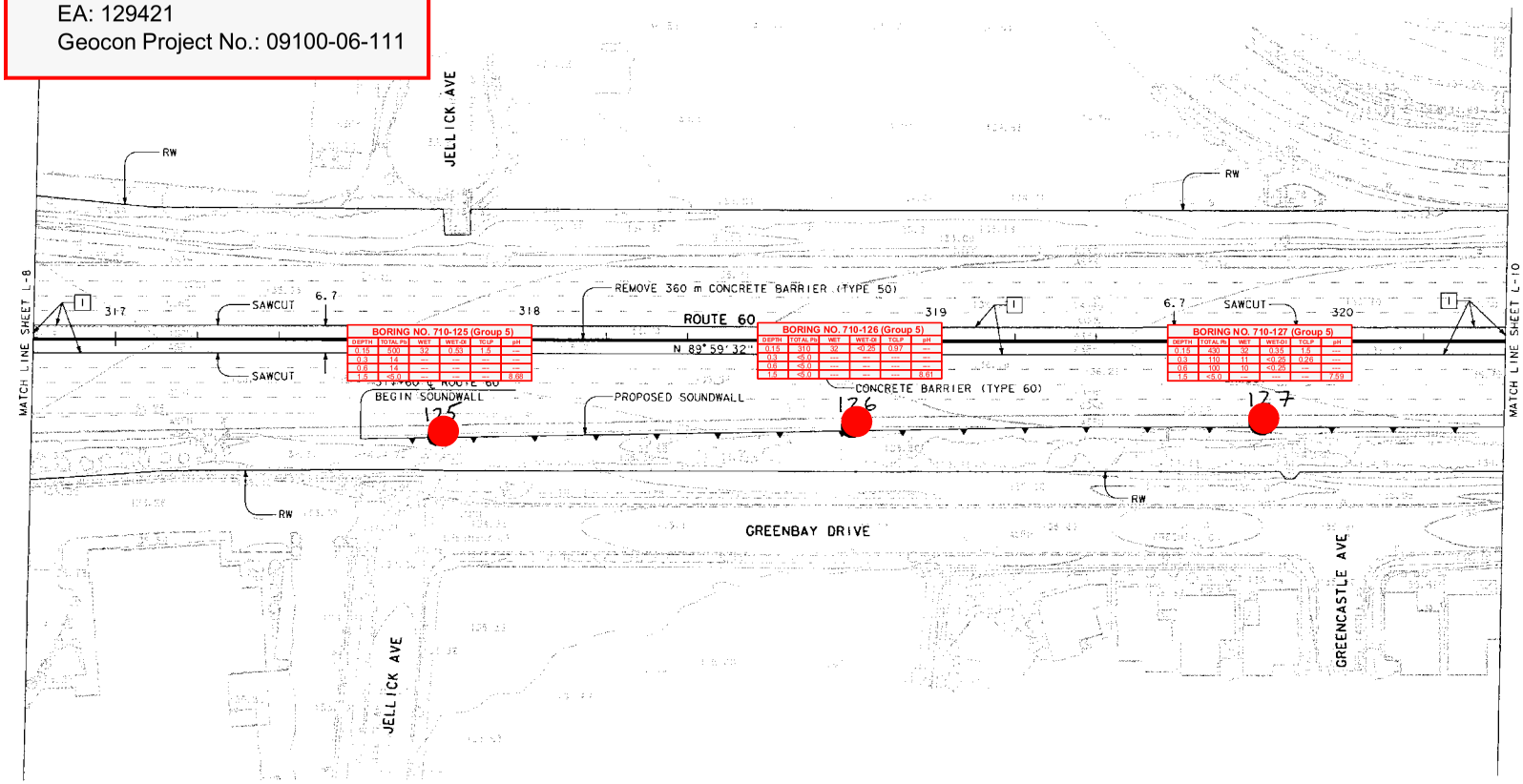
Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-125 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	500	32	0.53	1.5	---
0.3	14	---	---	---	---
0.6	14	---	---	---	---
1.5	<5.0	---	---	---	8.68

BORING NO. 710-126 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	310	32	<0.25	0.97	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.61

BORING NO. 710-127 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	49	32	<0.25	1.5	---
0.3	110	11	<0.25	0.28	---
0.6	100	10	<0.25	---	---
1.5	<5.0	---	---	---	7.59

LAYOUT

SCALE 1:500

L-9

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DGN FILE => ...\712942e03.dgn

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EA 129421

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DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 11:25:30

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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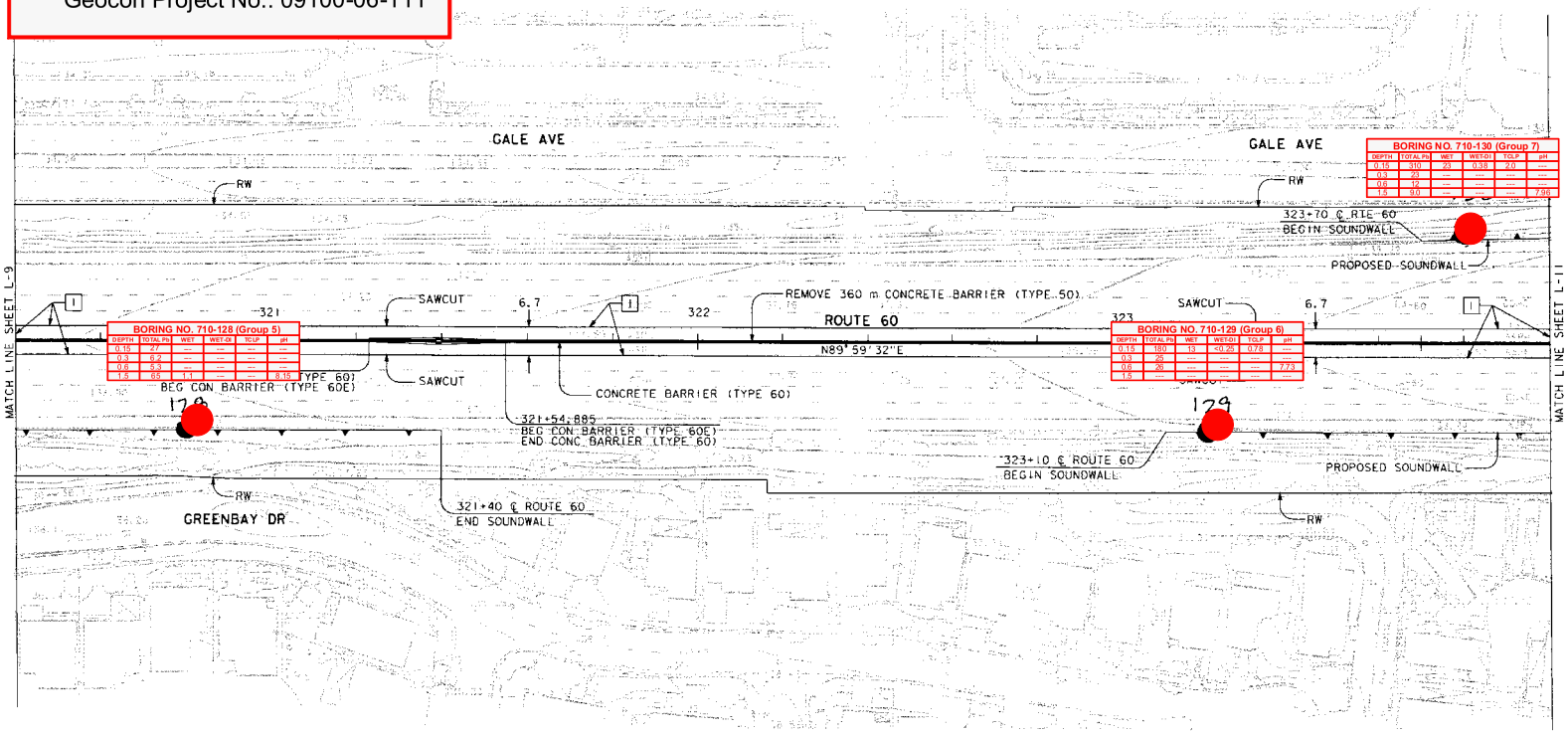

BORING NO. 710-128 (Group 5)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	27	---	---	---	---
0.3	6.2	---	---	---	---
0.6	5.3	---	---	---	---
1.5	65	1.1	---	---	8.15

BORING NO. 710-129 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	180	13	<0.25	0.78	---
0.3	25	---	---	---	---
0.6	26	---	---	---	7.73
1.5	---	---	---	---	---

BORING NO. 710-130 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	310	23	0.38	2.0	---
0.3	23	---	---	---	---
0.6	12	---	---	---	---
1.5	9.0	---	---	---	7.96

LAYOUT
SCALE 1:500

L-10

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\712942e10.dgn

CU 07242 | EA 129421

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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PROJECT ENGINEER: LE NGUYEN
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DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:38:00

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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REGISTERED CIVIL ENGINEER

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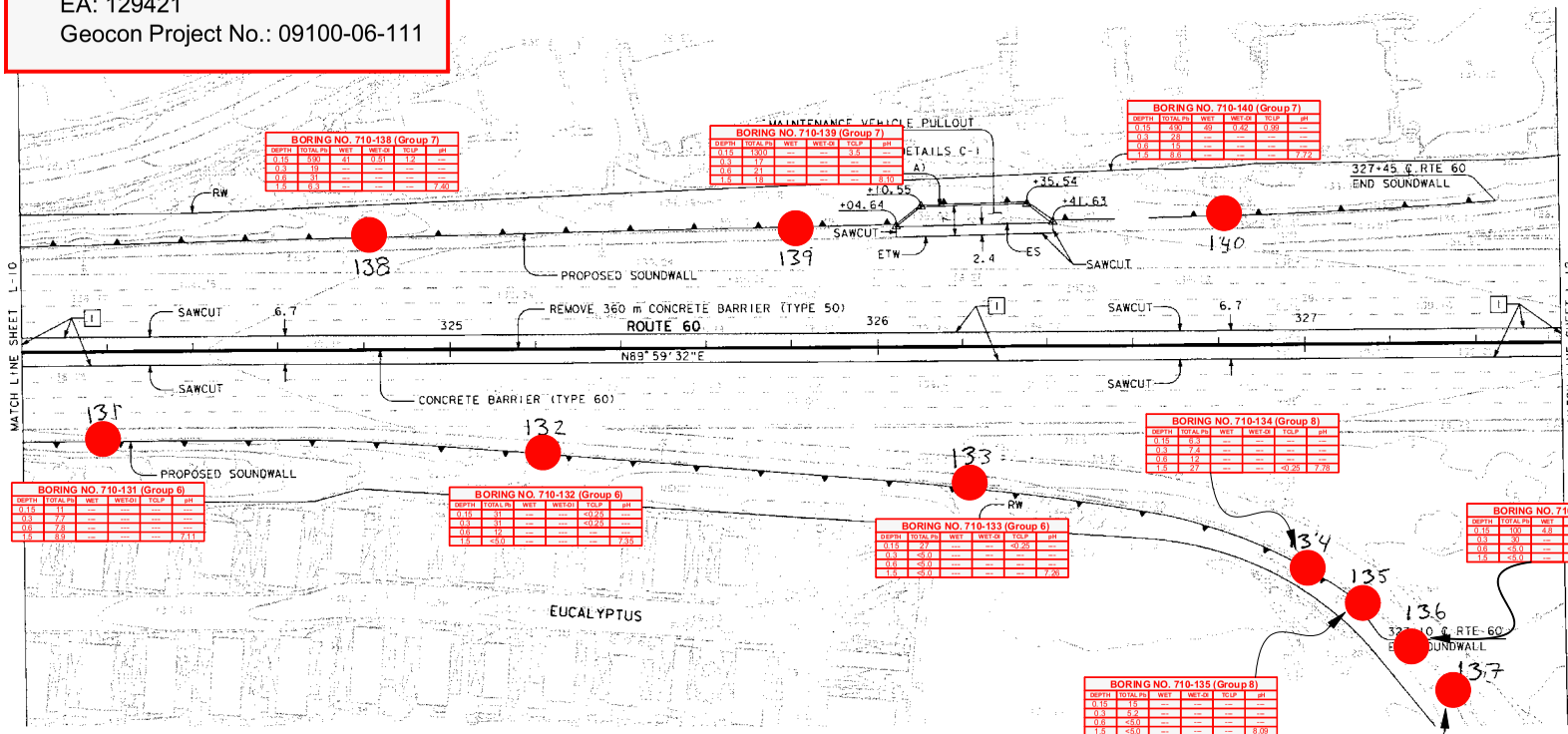
Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-138 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	590	41	0.51	12	---
0.3	19	---	---	---	---
0.6	31	---	---	---	---
1.5	6.3	---	---	---	7.40

BORING NO. 710-139 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	1300	---	---	3.5	---
0.3	17	---	---	---	---
0.6	21	---	---	---	---
1.5	18	---	---	---	8.10

BORING NO. 710-140 (Group 7)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	490	49	0.42	0.99	---
0.3	28	---	---	---	---
0.6	15	---	---	---	---
1.5	8.6	---	---	---	7.72

BORING NO. 710-131 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	11	---	---	---	---
0.3	7.7	---	---	---	---
0.6	7.8	---	---	---	---
1.5	8.9	---	---	---	7.11

BORING NO. 710-132 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	31	---	---	<0.25	---
0.3	31	---	---	<0.25	---
0.6	12	---	---	---	---
1.5	<5.0	---	---	---	7.35

BORING NO. 710-133 (Group 6)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	27	---	---	<0.25	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	7.20

BORING NO. 710-134 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	6.3	---	---	---	---
0.3	7.4	---	---	---	---
0.6	12	---	---	---	---
1.5	27	---	---	<0.25	7.78

BORING NO. 710-135 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	15	---	---	---	---
0.3	5.2	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.09

BORING NO. 710-136 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	100	4.8	---	<0.25	---
0.3	30	---	---	<0.25	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	8.20

BORING NO. 710-137 (Group 8)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	48	---	---	<0.25	---
0.3	9.1	---	---	---	---
0.6	7.9	---	---	---	---
1.5	7.4	---	---	---	8.12

LAYOUT

SCALE 1:500

L-11

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

PROJECT ENGINEER: LE NGUYEN

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LAST REVISION 00-00-00
DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:38:34

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\712942ell.dgn

CU 07242 | EA 129421

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.0		

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PLANS APPROVAL DATE

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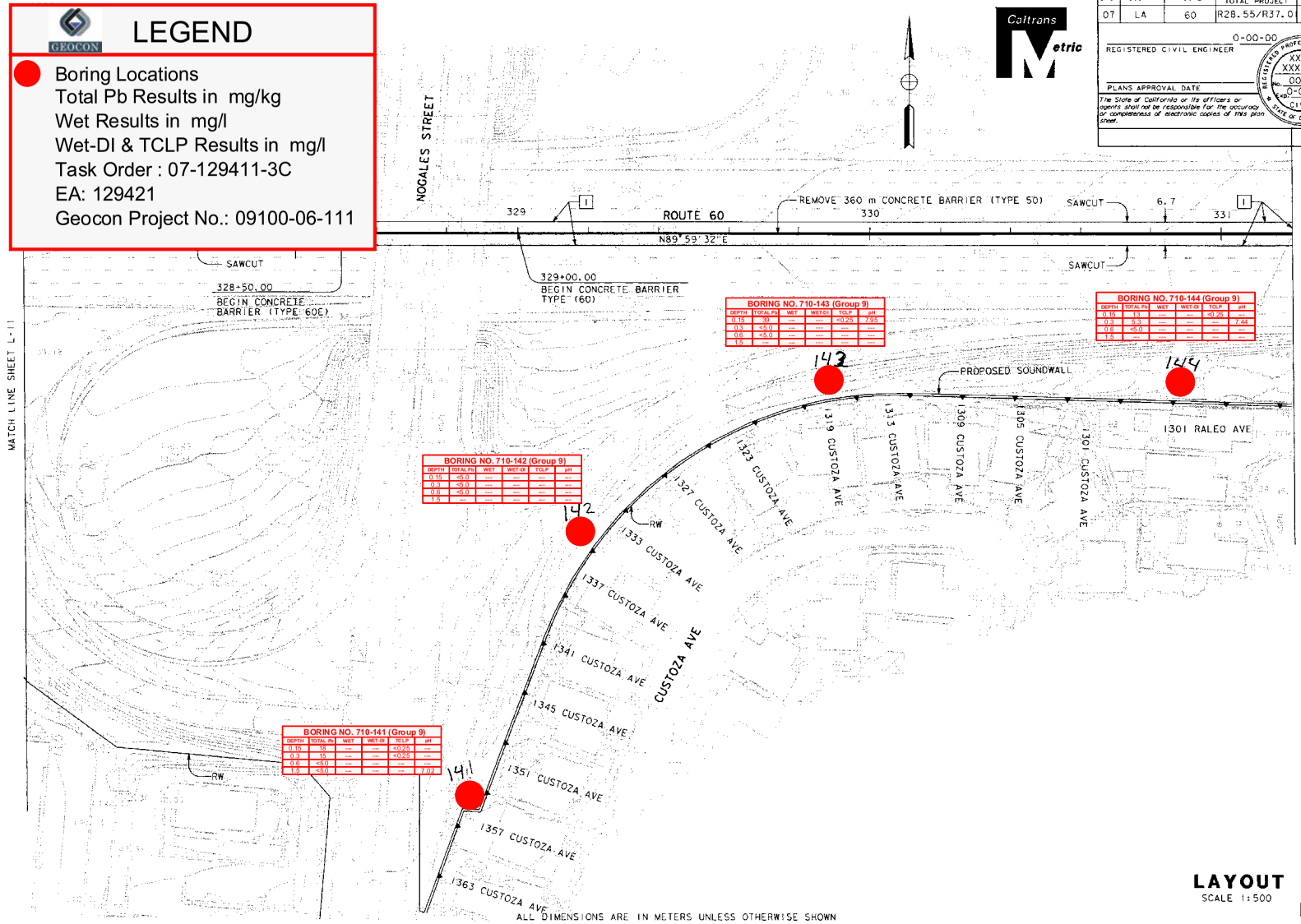
REGISTERED PROFESSIONAL ENGINEER XXXX XXXXXX 00000 0-00-00 CIVIL STATE OF CALIFORNIA

Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-143 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	39	---	---	<0.25	7.95
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 710-144 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	13	---	---	<0.25	---
0.3	5.3	---	---	---	7.44
0.6	<5.0	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 710-142 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
1.5	---	---	---	---	---

BORING NO. 710-141 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	18	---	---	<0.25	---
0.3	15	---	---	<0.25	---
0.6	<5.0	---	---	---	---
1.5	<5.0	---	---	---	7.02

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

LAYOUT

SCALE 1:500

L-12

DATE	REVISED BY	DATE REVISED
XX XXXXX		

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PROJECT ENGINEER: LE NGUYEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

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USERNAME => lnguyen1
DGN FILE => ...\712942el2b.dgn

CU 07242 | EA 129421

LAST REVISION 00-00-00 | DATE PLOTTED => 21 JAN 2004 | TIME PLOTTED => 10:14:46

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

REGISTERED CIVIL ENGINEER 0-00-00

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Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURVE DATA

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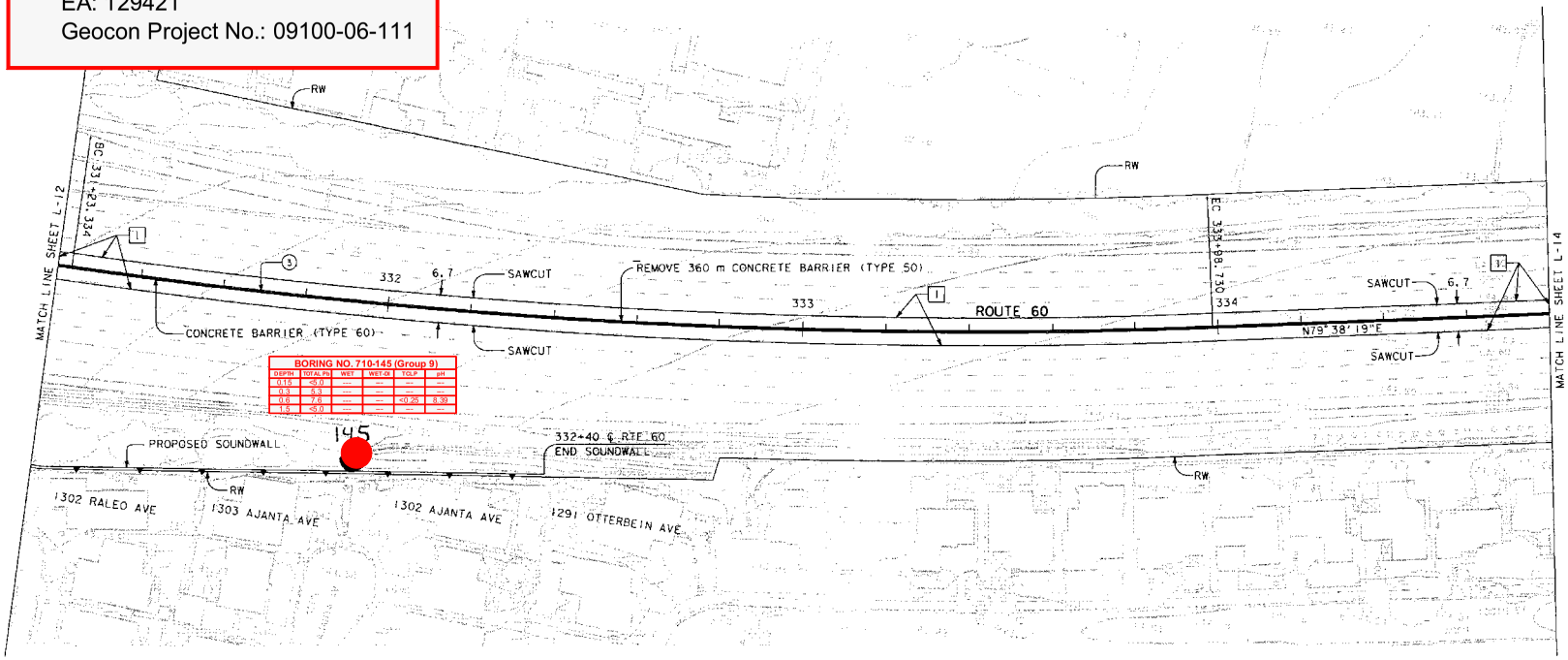

BORING NO. 710-145 (Group 9)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.9	5.3	---	---	---	---
0.9	7.6	---	---	<0.25	8.39
1.5	<5.0	---	---	---	---

LAYOUT

SCALE 1:500

L-13

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\7129421 3.dgn

CU 07242

EA 129421

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

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PROJECT ENGINEER LE NGUYEN

CALCULATED/DESIGNED BY XX XXXXX

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DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:16:47

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

REGISTERED CIVIL ENGINEER 0-00-00

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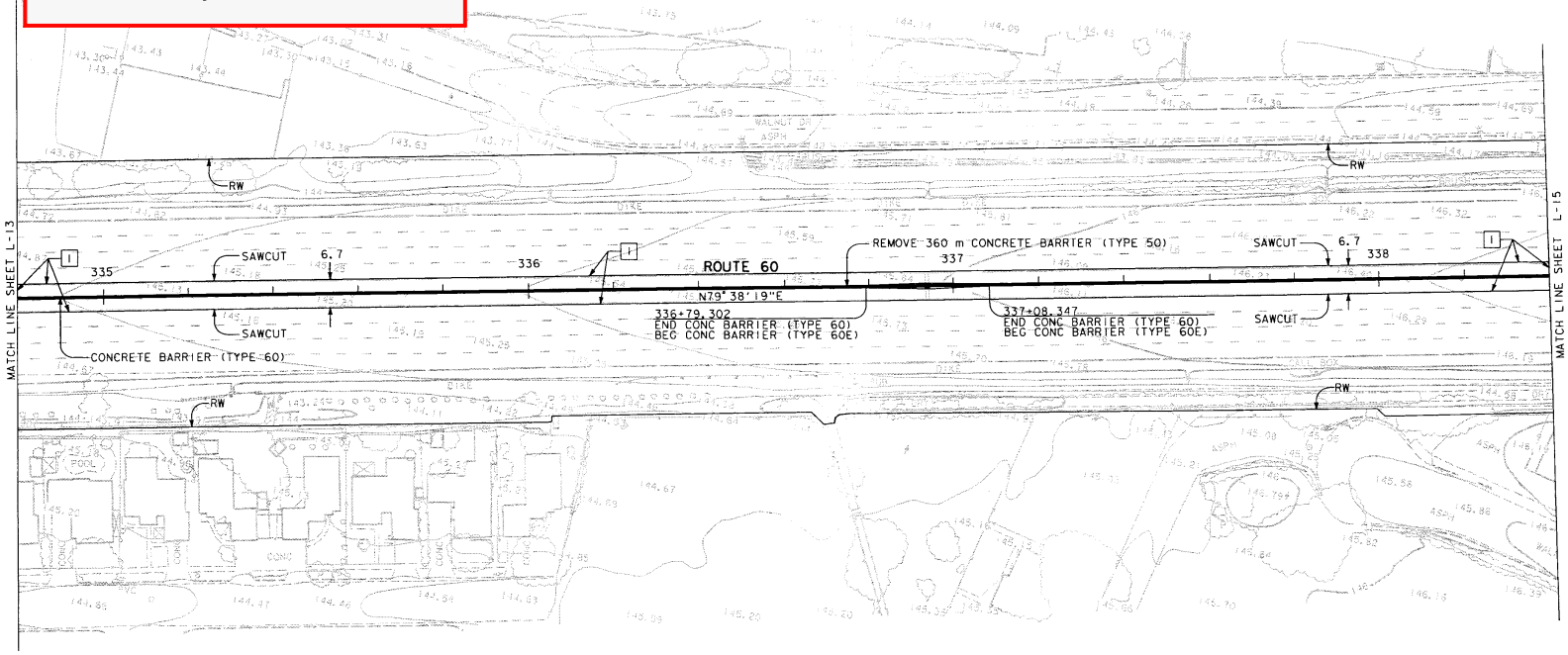
Caltrans Metric

GEOCON

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



LAYOUT

SCALE 1:500

L-14

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

PROJECT ENGINEER LE NGUYEN

CALCULATED/DESIGNED BY XX XXXXX DATE

CHECKED BY REVISED BY DATE REVISED

LAST REVISION 00-00-00 DATE PLOTTED => 21 JAN 2004 TIME PLOTTED => 10:39:02

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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CU 07242

EA 129421

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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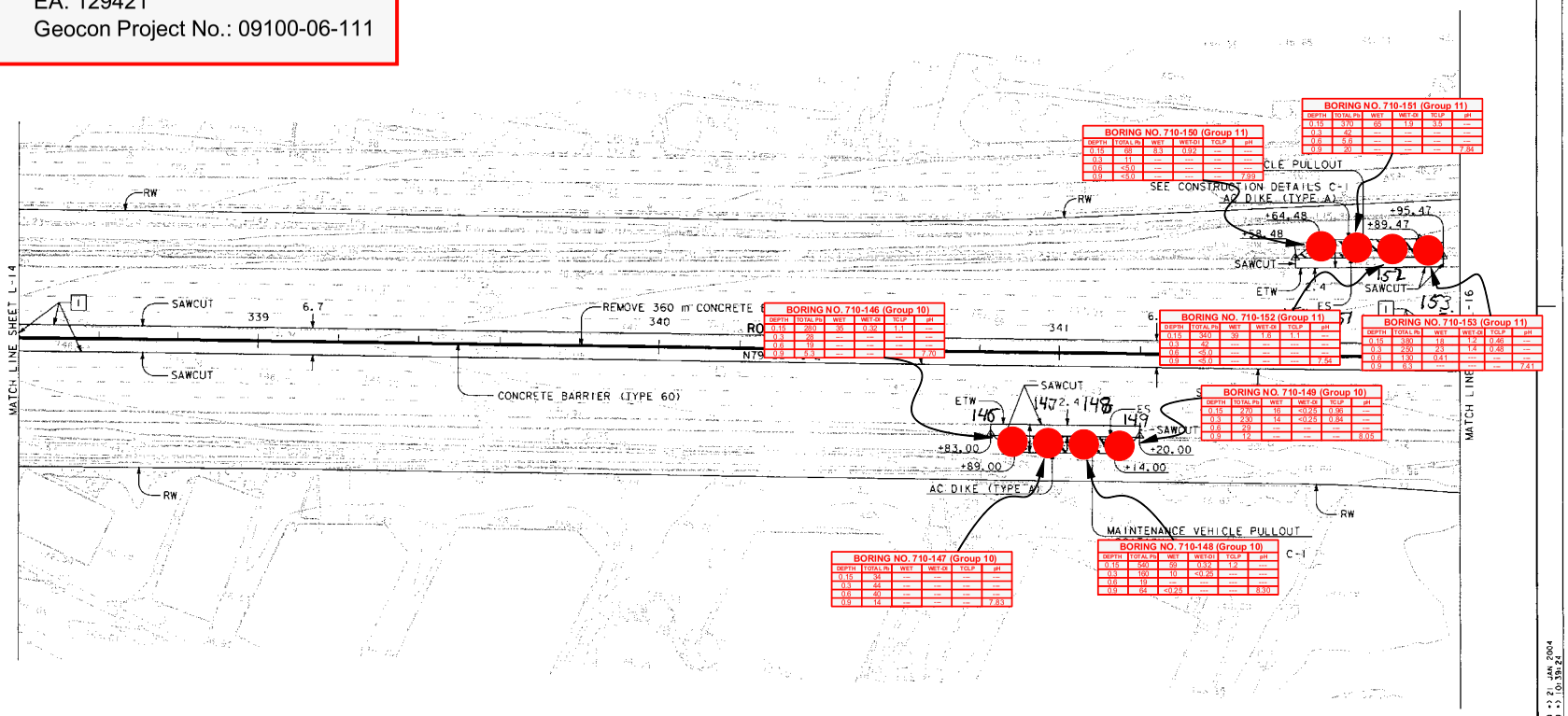
Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



BORING NO. 710-146 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	280	39	0.32	1.1	—
0.3	28	—	—	—	—
0.6	19	—	—	—	—
0.9	5.3	—	—	—	7.70

BORING NO. 710-147 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	34	—	—	—	—
0.3	44	—	—	—	—
0.6	40	—	—	—	—
0.9	14	—	—	—	7.83

BORING NO. 710-148 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	560	99	0.32	1.2	—
0.3	160	10	<0.25	—	—
0.6	19	—	—	—	—
0.9	64	<0.25	—	—	8.30

BORING NO. 710-149 (Group 10)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	270	16	<0.25	0.96	—
0.3	230	14	<0.25	0.84	—
0.6	29	—	—	—	—
0.9	12	—	—	—	8.05

BORING NO. 710-150 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	68	8.3	0.92	—	—
0.3	11	—	—	—	—
0.6	<5.0	—	—	—	—
0.9	<5.0	—	—	—	7.99

BORING NO. 710-151 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	370	65	1.9	3.5	—
0.3	42	—	—	—	—
0.6	5.6	—	—	—	—
0.9	20	—	—	—	7.84

BORING NO. 710-152 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	340	39	1.6	1.1	—
0.3	42	—	—	—	—
0.6	<5.0	—	—	—	—
0.9	<5.0	—	—	—	7.54

BORING NO. 710-153 (Group 11)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	380	18	1.2	0.46	—
0.3	290	23	1.4	0.48	—
0.6	130	0.41	—	—	—
0.9	8.3	—	—	—	7.41

LAYOUT

SCALE 1:500

L-15

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\129421e15.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:39:24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN

PROJECT ENGINEER LE NGUYEN

CALCULATED/DESIGNED BY XX XXXXX

CHECKED BY

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DATE REVISED

DATE

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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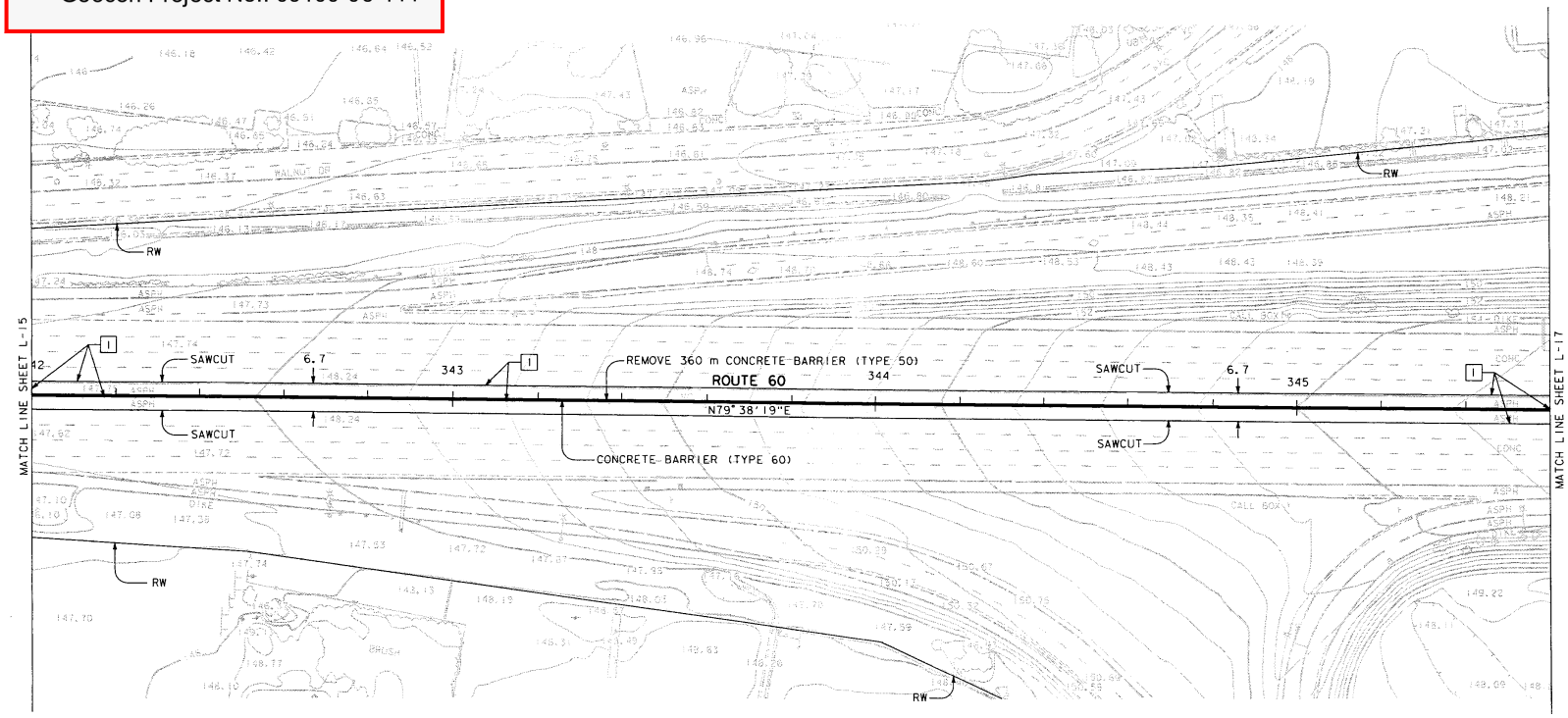
Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



LAYOUT

SCALE 1:500

L-16

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lnguyen1
DGN FILE => ...\712942e16.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:39:50

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

PROJECT ENGINEER: LE NGUYEN

CALCULATED/DESIGNED BY: XX XXXXX
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DATE REVISED BY
DATE REVISED

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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REGISTERED PROFESSIONAL ENGINEER XXXX XXXXXX NO. 00000 EXP. 0-00-00 CIVIL STATE OF CALIFORNIA

Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURBE TABLE

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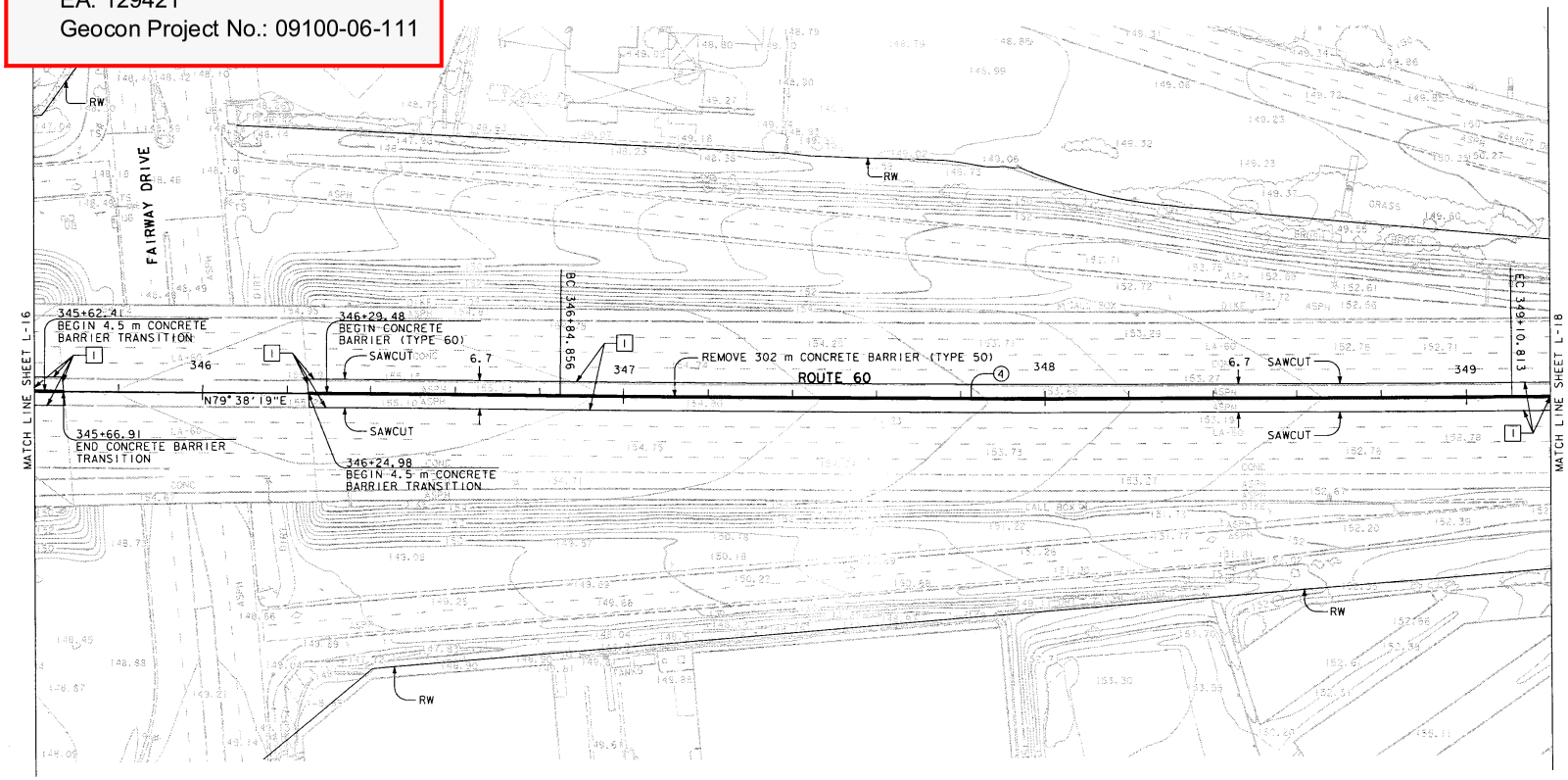

LAYOUT
SCALE 1:500

L-17

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

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DGN FILE => ...\712942e17.dgn

CU 07242 | EA 129421

LAST REVISION 00-00-00 | DATE PLOTTED => 21-JAN-2004 | TIME PLOTTED => 10:41:05

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Caltrans DESIGN

PROJECT ENGINEER LE NGUYEN

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CHECKED BY | DATE REVISED

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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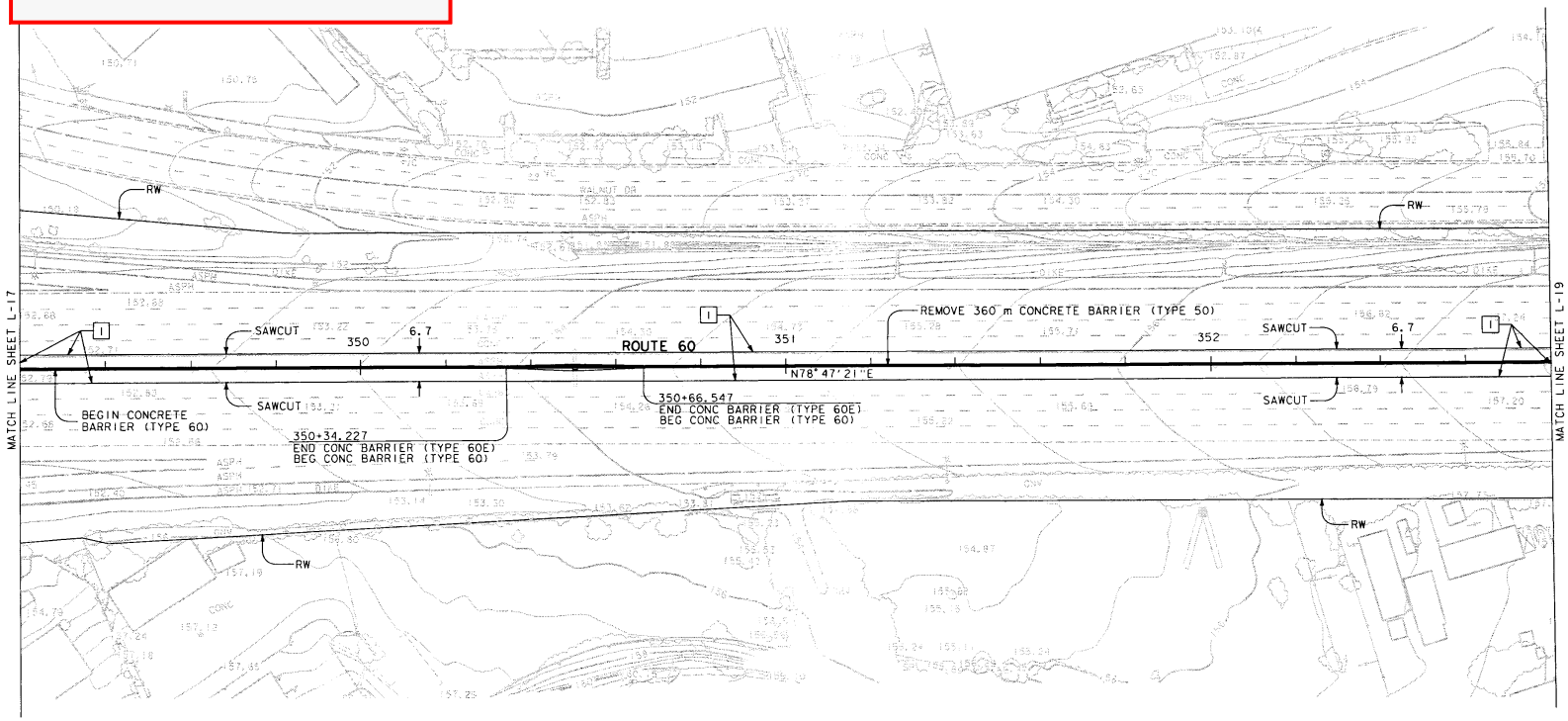
Caltrans Metric

GEOCON

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



LAYOUT

SCALE 1:500

L-18

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

PROJECT ENGINEER LE NGUYEN

CALCULATED/DESIGNED BY XX XXXXX

CHECKED BY

DATE REVISED BY

DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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DGN FILE => ...\712942e18.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004

TIME PLOTTED => 10:41:33

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

0-00-00
REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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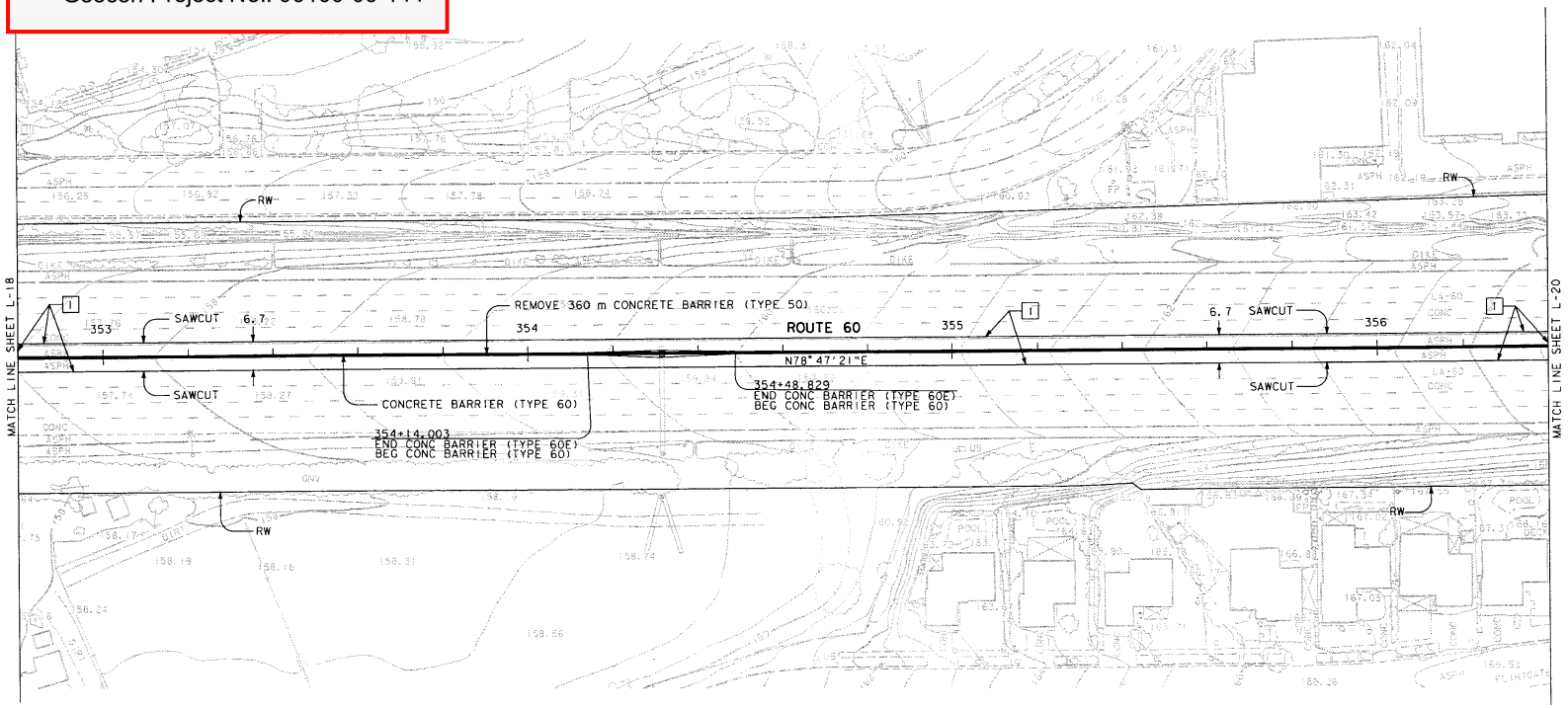
Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



LAYOUT

SCALE 1:500

L-19

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER	CALCULATED/DESIGNED BY	XX XXXXX	DATE	REVISED BY
Caltrans DESIGN	LE NGUYEN	CHECKED BY			DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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CU 07242

EA 129421

LAST REVISION 00-00-00

DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 10:42:01

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

REGISTERED CIVIL ENGINEER 0-00-00

PLANS APPROVAL DATE

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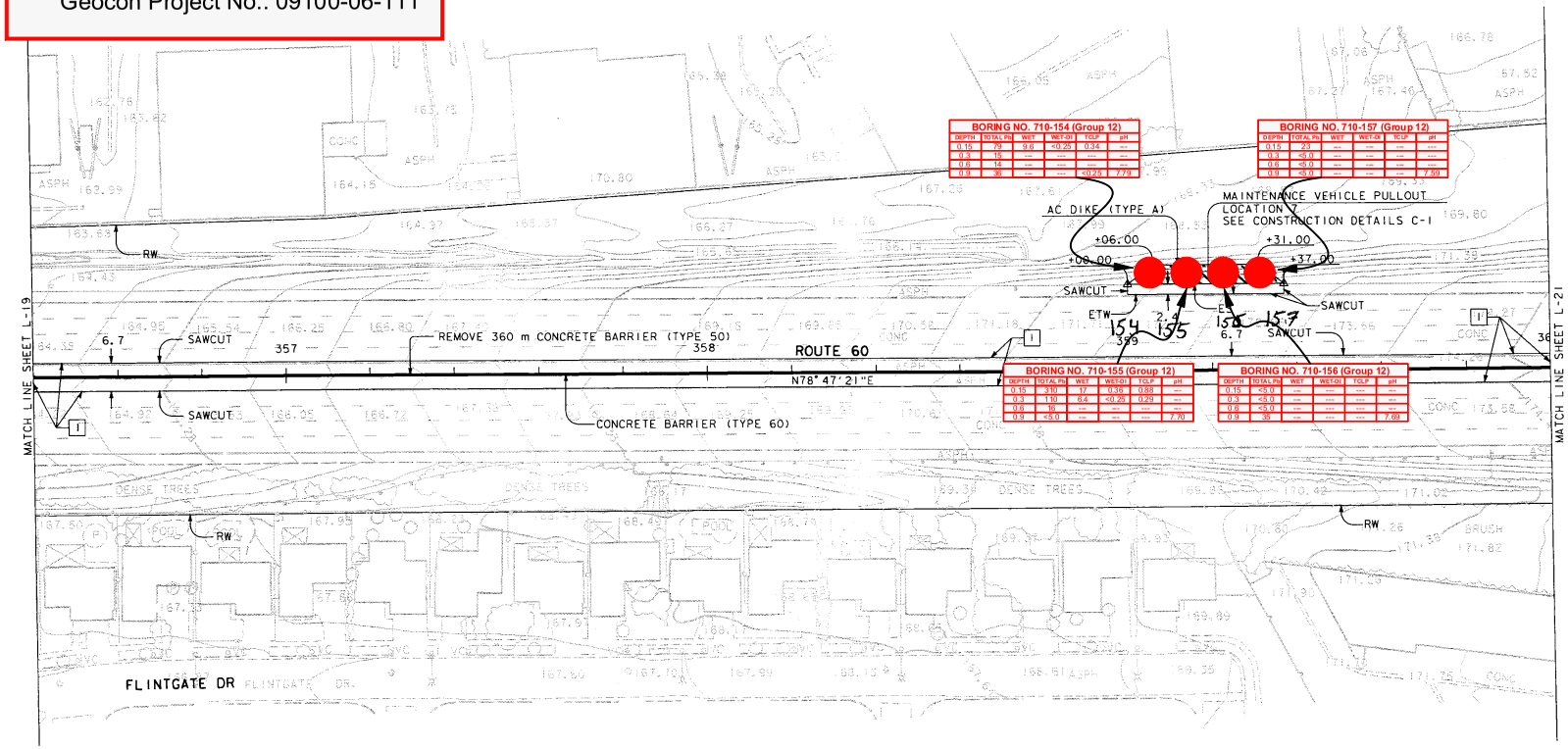
Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	79	9.6	<0.25	0.34	---
0.3	15	---	---	---	---
0.6	14	---	---	---	---
0.9	36	---	---	<0.25	7.79

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	23	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
0.9	<5.0	---	---	---	7.59

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	310	17	0.36	0.88	---
0.3	110	6.4	<0.25	0.29	---
0.6	16	---	---	---	---
0.9	<5.0	---	---	---	7.70

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<5.0	---	---	---	---
0.3	<5.0	---	---	---	---
0.6	<5.0	---	---	---	---
0.9	35	---	---	---	7.69

LAYOUT

SCALE 1:500

L-20

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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CU 07242

EA 129421

LAST REVISION 00-00-00 DATE PLOTTED => 21 JAN 2004 TIME PLOTTED => 10:42:25

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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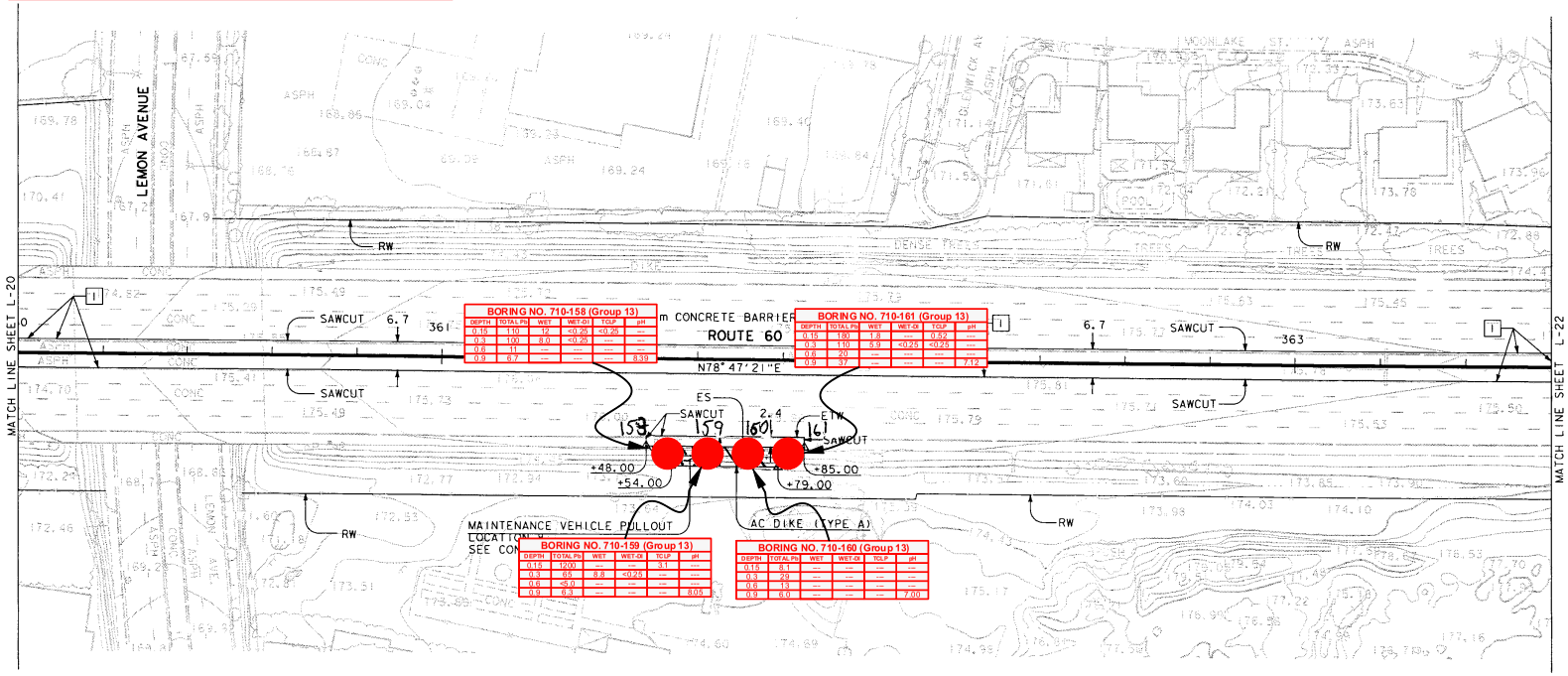
Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111



LAYOUT
SCALE 1:500

L-21

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

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CU 07242 | EA 129421

LAST REVISION 00-00-00 | DATE PLOTTED => 21 JAN 2004 | TIME PLOTTED => 13:52:00

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Caltrans
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PROJECT ENGINEER: LE NGUYEN
CALCULATED/DESIGNED BY: XX XXXXX
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DATE | REVISED BY | DATE REVISED

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

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Caltrans Metric

LEGEND

GEOCON

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURVE TABLE

NO	R	Δ	T	L
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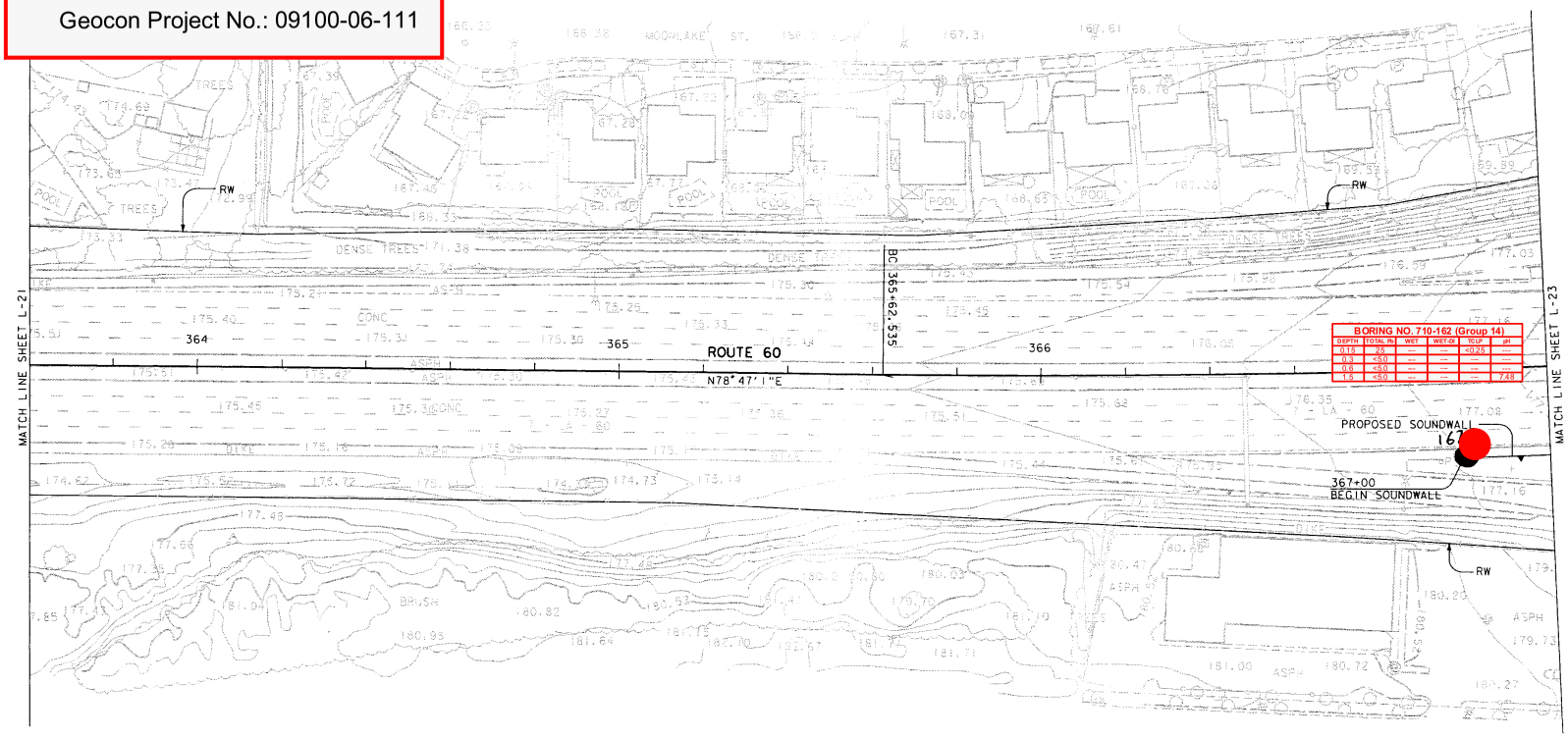

BORING NO. 710-162 (Group 14)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	25	—	—	<0.25	—
0.3	<50	—	—	—	—
0.6	<50	—	—	—	—
1.5	<50	—	—	.748	—

LAYOUT

SCALE 1:500

L-22

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

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DGN FILE => ...\T129421e22a.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00
DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 11:23:37

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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PROJECT ENGINEER: LE NGUYEN
CALCULATED/DESIGNED BY: XX XXXXX
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DATE REVISED BY
DATE REVISED

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	60	R28.55/R37.01		

0-00-00
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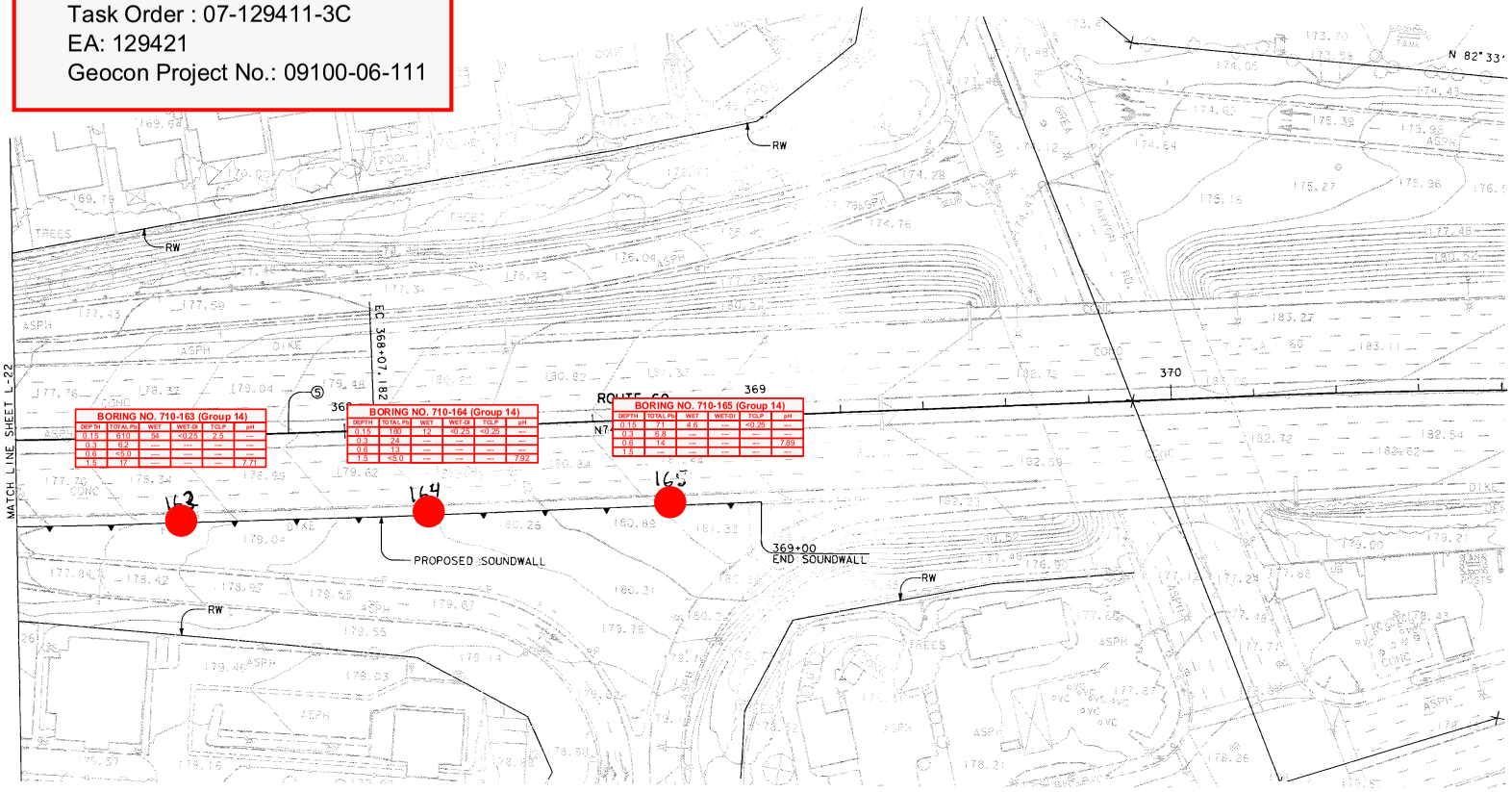
Caltrans Metric

LEGEND

- Boring Locations
- Total Pb Results in mg/kg
- Wet Results in mg/l
- Wet-DI & TCLP Results in mg/l
- Task Order : 07-129411-3C
- EA: 129421
- Geocon Project No.: 09100-06-111

CURVE TABLE

NO	R	Δ	T	L
⑤	3505.21	3°59'56"	122.37	244.65



BORING NO. 710-163 (Group 14)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	<810	54	<0.25	2.5	--
0.3	62	--	--	--	--
0.6	<5.0	--	--	--	--
1.5	17	--	--	7.71	--

BORING NO. 710-164 (Group 14)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	180	12	<0.25	<0.25	--
0.3	24	--	--	--	--
0.6	13	--	--	--	--
1.5	<5.0	--	--	7.92	--

BORING NO. 710-165 (Group 14)

DEPTH	TOTAL Pb	WET	WET-DI	TCLP	pH
0.15	71	4.8	--	<0.25	--
0.3	6.8	--	--	--	--
0.6	14	--	--	--	7.89
1.5	--	--	--	--	--

LAYOUT

SCALE 1:500

L-23

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DGN FILE => ...\712942e23a.dgn

CU 07242

EA 129421

LAST REVISION 00-00-00
DATE PLOTTED => 21 JAN 2004
TIME PLOTTED => 11:24:14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

PROJECT ENGINEER: LE NGUYEN

CALCULATED/DESIGNED BY: XX XXXXX
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DATE REVISED BY
DATE REVISED

APPENDIX A

APPENDIX A

GEOCON CONSULTANTS, INC.
MODIFIED STANDARD OPERATING PROCEDURE (SOP) NO. 11
HAND-AUGERING AND SOIL SAMPLE COLLECTION/HANDLING

Purpose

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

Hand-Augering and Soil Sample Collection/Handling Procedures

1. Initiate boring using a hand-held 7.62 centimeter diameter stainless steel auger.

2. Advance boring to initial sample depth of approximately 0 to 0.15 m below the ground surface.

3. Transfer the soil sample from the hand auger into a plastic bag to homogenize the sample, transfer the sample from the plastic bag to a glass jar supplied by the laboratory. Label glass jar with the boring number, EA number, and sample depth.

4. Record the sample identification, time and date of sample collection, sample matrix type, turn-around time, and container type on the laboratory chain of custody.

5. Each prepared sample jar will be placed into a cooler for transport to Advanced Technology Laboratories.

6. Repeat the procedure and collect soil samples at subsequent depths as specified in the Task Order, if possible.

7. Backfill the borings to surface grade with soil cuttings generated.

8. Clean and rinse sampling equipment prior to the collection of each soil sample by washing the equipment with a trisodium phosphate solution followed by subsequent tap water and deionized water rinses.

9. Transport all samples to Advance Technology Laboratories under chain of custody control.

APPENDIX B

Advanced Technology Laboratories

June 7, 2004

Mr. Ron Kofron, CEG
Manager, Environmental Services
Geocon Consultants, Inc.
6970 Flanders Drive
San Diego, CA 92121

Re: Caltrans ADL Project - Geocon Project Route 60 KP 18.8-37.0/09100-06-111 - STLC WET/EPA 7420 Lead Analysis
ATL WO Nos. 067941, 067942, 067943, 067944, 067945, 067946, 067954, 067955, 067956, 067958, 067960, 067961, 067962, 067963, 067964, 067988, 067989, 067990, 067991, 068017, 068018, 068020, 068021, 068023, 068024, 068025, 068026, 068028, 068029, 068045, 068046, 068055, 068056, 068057, 068058, 068059, 068086, 068087, 068088, 068089, 068090

Dear Mr. Kofron,

Following is Advanced Technology Laboratories, Inc. (ATL) response to your e-mail inquiry on the Caltrans ADL Project - Geocon Project Route 60 KP 18.8-37.0/09100-06-111 on June 7, 2004 regarding the variation in the detection limits due to dilution for STLC WET/EPA 7420 Lead Analysis.

Laboratory protocol for STLC WET/EPA 7420 Lead Analysis sample is analyzed without any dilution unless visual assessment of the STLC extract warrants otherwise.

Dilution is done under the following conditions:

1. The result exceeds the calibration linear quantitation range.
2. The nature of the extract/matrix interferes with the analysis of the target analyte.

In specific regards to the Geocon Project Route 60 KP 18.8-37.0/09100-06-111 samples that required dilution, the values were high and exceeded the linear quantitation range and therefore must be diluted for the results to be within the curve and be validated.

If you have further question, please call (562) 989-4042.

Sincerely,

Eddie Rodriguez
Laboratory Director
Advanced Technology Laboratories

Mailing Address: P.O. Box 92797 Long Beach, CA 90809-2797
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562-989-4045 Fax: 562-989-6348

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067954

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067954
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067954-001A	710-101-S	98	mg/Kg	17472	5	1	3/18/2004	3/23/2004
067954-002A	710-101-0.3	ND	mg/Kg	17472	5	1	3/18/2004	3/23/2004
067954-003A	710-101-0.6	ND	mg/Kg	17472	5	1	3/18/2004	3/23/2004
067954-004A	710-101-1.5	ND	mg/Kg	17472	5	1	3/18/2004	3/23/2004
067954-005A	710-102-S	100	mg/Kg	17472	5	1	3/18/2004	3/23/2004
067954-006A	710-102-0.3	12	mg/Kg	17472	5	1	3/18/2004	3/23/2004
067954-007A	710-102-0.6	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-008A	710-102-1.5	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-009A	710-103-S	170	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-010A	710-103-0.3	23	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-011A	710-103-0.6	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067954
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067954-012A	710-103-1.5	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-013A	710-104-S	160	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-014A	710-104-0.3	71	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-015A	710-104-0.6	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067954-016A	710-104-1.5	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067954
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067954-004A	710-101-1.5	8.54	pH Units	R36315	0.1	1	3/18/2004	3/22/2004
067954-008A	710-102-1.5	8.64	pH Units	R36315	0.1	1	3/18/2004	3/22/2004
067954-012A	710-103-1.5	8.79	pH Units	R36315	0.1	1	3/18/2004	3/22/2004
067954-016A	710-104-1.5	8.63	pH Units	R36315	0.1	1	3/18/2004	3/22/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067954
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067954-001A	710-101-S	7.5	mg/L	R36826	0.25	1	3/18/2004	4/5/2004
067954-005A	710-102-S	7.5	mg/L	R36826	0.25	1	3/18/2004	4/5/2004
067954-009A	710-103-S	17	mg/L	R36826	0.5	2	3/18/2004	4/5/2004
067954-013A	710-104-S	11	mg/L	R36826	0.5	2	3/18/2004	4/5/2004
067954-014A	710-104-0.3	2.1	mg/L	R36826	0.25	1	3/18/2004	4/5/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067954
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067954-001A	710-101-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004
067954-005A	710-102-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004
067954-009A	710-103-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004
067954-013A	710-104-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004

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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-103-S
Lab Order:	067954		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067954-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	100	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	1.2	1.0		mg/Kg	1	4/2/2004
Chromium	14	1.0		mg/Kg	1	4/2/2004
Cobalt	6.3	1.0		mg/Kg	1	4/2/2004
Copper	22	1.0		mg/Kg	1	4/2/2004
Lead	200	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.4	1.0		mg/Kg	1	4/2/2004
Nickel	16	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	31	1.0		mg/Kg	1	4/2/2004
Zinc	180	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-104-S
Lab Order:	067954		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067954-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	110	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	16	1.0		mg/Kg	1	4/2/2004
Cobalt	5.8	1.0		mg/Kg	1	4/2/2004
Copper	27	1.0		mg/Kg	1	4/2/2004
Lead	210	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.7	1.0		mg/Kg	1	4/2/2004
Nickel	17	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	32	1.0		mg/Kg	1	4/2/2004
Zinc	160	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067954
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067954-001A	710-101-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067954-005A	710-102-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067954-009A	710-103-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067954-013A	710-104-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17472A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **ZZZZZ** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539691**

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

Sample ID **MB-17472B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **ZZZZZ** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539705**

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

Sample ID **MB-17473A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539719**

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

Sample ID **MB-17473B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539733**

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

Sample ID **LCS-17472** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **ZZZZZ** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539692**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253	5.0	250	0	101	80	120	0	0		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17473	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323D
Client ID: ZZZZZ	Batch ID: 17473	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539720

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.3	5.0	250	0	98.1	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067946-011AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323C
Client ID: ZZZZZ	Batch ID: 17472	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539704

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	193.3	5.0	250	9.797	73.4	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067954-006AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323C
Client ID: 710-102-0.3	Batch ID: 17472	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539717

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	194	5.0	250	11.68	72.9	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067954-016AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323D
Client ID: 710-104-1.5	Batch ID: 17473	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539732

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	194	5.0	250	3.562	76.2	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067955-010AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323D
Client ID: ZZZZZ	Batch ID: 17473	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539745

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276	5.0	250	81.42	77.8	47	125	0	0		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067955-010AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	312.1	5.0	250	81.42	92.3	47	125	276	12.3	20	

Sample ID **067946-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **ZZZZZ** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.88	5.0	0	0	0	0	0	9.797	27.2	20	R

Sample ID **067954-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **710-102-0.3** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.932	5.0	0	0	0	0	0	11.68	38.2	20	R

Sample ID **067954-016ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **710-104-1.5** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.562	0	20	

Sample ID **067955-010ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	69.94	5.0	0	0	0	0	0	81.42	15.2	20	

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067955-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322F**
Client ID: **ZZZZZ** Batch ID: **R36315** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.36	0.10	0	0	0	0	0	8.41	0.596	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17641** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547402**

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

Sample ID **MB-17641A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547403**

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

Sample ID **MB-17641B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547416**

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

Sample ID **LCS-17641** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.492	0.25	5	0	89.8	80	120	0	0		

Sample ID **067955-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.15	1.2	5	23.71	109	70	130	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067960-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.484	0.25	5	0.09621	87.8	70	130	0	0		

Sample ID **067955-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	1.2	0	0	0	0	0	23.71	14.8	20	

Sample ID **067960-012ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.09621	0	20	

Qualifiers:
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Date: *09-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17670** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545883**

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

Sample ID **MB-17670ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545884**

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

Sample ID **MB-17670B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545898**

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

Sample ID **MB-17670BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545899**

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

Sample ID **LCS-17670** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8773	0.25	1	0	87.7	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067946-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.748	0.25	2.5	1.822	117	70	130	0	0		

Sample ID **067955-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.729	0.25	2.5	0.1556	103	70	130	0	0		

Sample ID **067946-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.719	0.25	0	0	0	0	0	1.822	5.82	20	

Sample ID **067955-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1556	0	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17650** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545546**

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

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	42.58	2.0	50	0	85.2	80	120	0	0		
Arsenic	43.67	1.0	50	0	87.3	80	120	0	0		
Barium	48.19	1.0	50	0	96.4	80	120	0	0		
Beryllium	43.53	1.0	50	0	87.1	80	120	0	0		
Cadmium	43.38	1.0	50	0	86.8	80	120	0	0		
Chromium	46.03	1.0	50	0	92.1	80	120	0	0		
Cobalt	43.11	1.0	50	0	86.2	80	120	0	0		
Copper	44.87	2.0	50	0	89.7	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.72	1.0	50	0	85.4	80	120	0	0		
Molybdenum	44.77	1.0	50	0	89.5	80	120	0	0		
Nickel	43.06	1.0	50	0	86.1	80	120	0	0		
Selenium	42.81	1.0	50	0	85.6	80	120	0	0		
Silver	42.86	1.0	50	0	85.7	80	120	0	0		
Thallium	41.9	1.0	50	0	83.8	80	120	0	0		
Vanadium	45.39	1.0	50	0	90.8	80	120	0	0		
Zinc	41.87	1.0	50	0	83.7	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.1	1.0	125	0	54.5	23	118	0	0		
Arsenic	ND	1.0	125	0	0	64	111	0	0		S
Barium	184.8	1.0	125	87.01	78.3	36	146	0	0		
Beryllium	100.4	1.0	125	0	80.3	50	120	0	0		
Cadmium	93.24	1.0	125	0	74.6	62	107	0	0		
Chromium	112.4	1.0	125	13.35	79.2	63	119	0	0		
Cobalt	99.55	1.0	125	5.714	75.1	63	111	0	0		
Copper	118	1.0	125	11.37	85.3	58	136	0	0		
Lead	127.2	1.0	125	40.37	69.5	47	125	0	0		
Molybdenum	98.72	1.0	125	0.8657	78.3	63	116	0	0		
Nickel	103.2	1.0	125	11.66	73.2	57	116	0	0		
Selenium	92.89	1.0	125	0	74.3	47	118	0	0		
Silver	100.8	1.0	125	0	80.6	48	125	0	0		
Thallium	84.34	1.0	125	0	67.5	49	116	0	0		
Vanadium	134.3	1.0	125	30.27	83.2	65	122	0	0		
Zinc	148.8	1.0	125	60.06	71	36	140	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	70.22	1.0	125	0	56.2	23	118	68.1	3.07	20	
Arsenic	ND	1.0	125	0	0	64	111	0	0	20	S
Barium	188.1	1.0	125	87.01	80.8	36	146	184.8	1.73	20	
Beryllium	100.8	1.0	125	0	80.6	50	120	100.4	0.335	20	
Cadmium	93.48	1.0	125	0	74.8	62	107	93.24	0.257	20	
Chromium	114.2	1.0	125	13.35	80.7	63	119	112.4	1.62	20	
Cobalt	101	1.0	125	5.714	76.3	63	111	99.55	1.49	20	
Copper	119.5	1.0	125	11.37	86.5	58	136	118	1.27	20	
Lead	136.6	1.0	125	40.37	77	47	125	127.2	7.12	20	
Molybdenum	100.5	1.0	125	0.8657	79.7	63	116	98.72	1.80	20	
Nickel	105.3	1.0	125	11.66	74.9	57	116	103.2	1.99	20	
Selenium	94.49	1.0	125	0	75.6	47	118	92.89	1.71	20	
Silver	100.7	1.0	125	0	80.5	48	125	100.8	0.123	20	
Thallium	98.61	1.0	125	0	78.9	49	116	84.34	15.6	20	
Vanadium	137	1.0	125	30.27	85.4	65	122	134.3	2.00	20	
Zinc	155.5	1.0	125	60.06	76.3	36	140	148.8	4.39	20	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	101.8	1.0	0	0	0	0	0	87.01	15.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	16.65	1.0	0	0	0	0	0	13.35	22.1	20	R
Cobalt	7.005	1.0	0	0	0	0	0	5.714	20.3	20	R
Copper	13.14	1.0	0	0	0	0	0	11.37	14.5	20	
Lead	42.63	1.0	0	0	0	0	0	40.37	5.46	20	

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0	0	0	0	0	0	0.8657	0	20	
Nickel	14.44	1.0	0	0	0	0	0	11.66	21.3	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.7	1.0	0	0	0	0	0	30.27	16.5	20	
Zinc	64.78	1.0	0	0	0	0	0	60.06	7.58	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17644** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545004**

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

Sample ID **LCS-17644** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545003**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.796	0.10	2.08	0	86.3	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7208	0.10	0.83	0	86.8	62	146	0	0		

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6942	0.10	0.83	0	83.6	62	146	0.7208	3.76	30	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17812** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552754**

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

Sample ID **MB-17812A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552755**

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

Sample ID **MB-17812B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552769**

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

Sample ID **LCS-17812** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.325	0.25	5	0	107	80	120	0	0		

Sample ID **067955-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.315	0.25	5	0.2268	102	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067954
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067960-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.305	0.25	5	0.1747	103	70	130	0	0		

Sample ID **067955-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2268	0	20	

Sample ID **067960-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1747	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067974-001	710-101-5		3/18/04	1143	soil	1	X
002	710-101-0.3			1144			
003	710-101-0.6			1147			
004	710-101-1.5			1149			
005	710-102-5			1127			
006	710-102-0.3			1128			
007	710-102-0.6			1130			
008	710-102-1.5			1133			
009	710-103-5			1126			
010	710-103-0.3			1130			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME/NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
BA 04400 ~~066~~ 067954-011	710-103-0.6		3/18/04	1134	soil	1	X
- 012	710-103-1.5			1138			
- 013	710-104-S			1125			
- 014	710-104-0.3			1129			
- 015	710-104-0.6			1139			
- 016	710-104-1.5			1147			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

March 24, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 067941

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067941
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067941-001A	710-109-S	95	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-002A	710-109-0.3	7.9	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-003A	710-109-0.6	ND	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-004A	710-109-0.9	7.9	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-005A	710-110-S	42	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-006A	710-110-0.3	ND	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-007A	710-110-0.6	ND	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-008A	710-110-0.9	ND	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-009A	710-111-S	ND	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-010A	710-111-0.3	ND	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067941-011A	710-111-0.6	ND	mg/Kg	17468	5	1	3/18/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067941
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067941-012A	710-111-0.9	ND	mg/Kg	17468	5	1	3/18/2004	3/22/2004
067941-013A	710-112-S	32	mg/Kg	17468	5	1	3/18/2004	3/22/2004
067941-014A	710-112-0.3	ND	mg/Kg	17468	5	1	3/18/2004	3/22/2004
067941-015A	710-112-0.6	ND	mg/Kg	17468	5	1	3/18/2004	3/22/2004
067941-016A	710-112-0.9	ND	mg/Kg	17468	5	1	3/18/2004	3/22/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067941
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067941-004A	710-109-0.9	8.02	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067941-008A	710-110-0.9	7.94	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067941-012A	710-111-0.9	7.99	pH Units	R36313	0.1	1	3/18/2004	3/22/2004
067941-016A	710-112-0.9	7.84	pH Units	R36313	0.1	1	3/18/2004	3/22/2004

Qualifiers:

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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067941
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067941-001A	710-109-S	6.3	mg/L	R36694	0.25	1	3/19/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067941
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067941-001A	710-109-S	ND	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067941-002A	710-109-0.3	ND	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067941-005A	710-110-S	ND	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067941-013A	710-112-S	ND	mg/L	17626	0.25	1	3/18/2004	3/31/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-109-S
Lab Order:	067941		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067941-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040331A	QC Batch: 17609			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	3/31/2004
Arsenic	3.8	1.0		mg/Kg	1	3/31/2004
Barium	100	1.0		mg/Kg	1	3/31/2004
Beryllium	ND	1.0		mg/Kg	1	3/31/2004
Cadmium	ND	1.0		mg/Kg	1	3/31/2004
Chromium	12	1.0		mg/Kg	1	3/31/2004
Cobalt	5.5	1.0		mg/Kg	1	3/31/2004
Copper	35	1.0		mg/Kg	1	3/31/2004
Lead	94	1.0		mg/Kg	1	3/31/2004
Molybdenum	2.0	1.0		mg/Kg	1	3/31/2004
Nickel	10	1.0		mg/Kg	1	3/31/2004
Selenium	ND	1.0		mg/Kg	1	3/31/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	3/31/2004
Vanadium	22	1.0		mg/Kg	1	3/31/2004
Zinc	130	1.0		mg/Kg	1	3/31/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-110-S
Lab Order:	067941		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067941-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	69	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	19	1.0		mg/Kg	1	4/1/2004
Cobalt	5.3	1.0		mg/Kg	1	4/1/2004
Copper	13	1.0		mg/Kg	1	4/1/2004
Lead	29	1.0		mg/Kg	1	4/1/2004
Molybdenum	ND	1.0		mg/Kg	1	4/1/2004
Nickel	12	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	22	1.0		mg/Kg	1	4/1/2004
Zinc	43	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067941
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067941-001A	710-109-S	0.40	mg/L	R37197	0.25	1	3/19/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *24-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17468A	MBLK	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: ZZZZZ	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538804

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17468B	MBLK	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: ZZZZZ	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538818

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17468	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: ZZZZZ	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538805

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	256.6	5.0	250	0	103	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067941-010AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: 710-111-0.3	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538817

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.5	5.0	250	2.274	77.7	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067942-004AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: ZZZZZ	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538830

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203.3	5.0	250	8.702	77.8	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID 067941-010ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/22/2004	Run ID: ICP5_040322A
Client ID: 710-111-0.3	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538816

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.274	0	20	

Sample ID 067942-004ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 3/22/2004	Run ID: ICP5_040322A
Client ID: ZZZZZ	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538829

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.425	5.0	0	0	0	0	0	8.702	3.24	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067943-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322D**
Client ID: **ZZZZZ** Batch ID: **R36313** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.57	0.10	0	0	0	0	0	8.61	0.466	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *05-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17598** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545066**

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

Sample ID **MB-17598A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545067**

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

Sample ID **MB-17958B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545082**

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

Sample ID **LCS-17598** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.198	0.25	5	0	104	80	120	0	0		

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	35.78	1.2	5	31.56	84.3	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067944-015AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.245	0.25	5	0.4136	96.6	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.01	1.2	0	0	0	0	0	31.56	1.40	20	

Sample ID **067944-015ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.4136	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *05-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17626A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545034**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17600ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545035**

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

Sample ID **MB-17626B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17600BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545050**

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

Sample ID **LCS-17626** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9836	0.25	1	0	98.4	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.499	0.25	2.5	0.971	101	70	130	0	0		

Sample ID **067943-010AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.478	0.25	2.5	0.2587	88.8	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.078	0.25	0	0	0	0	0	0.971	10.4	20	

Sample ID **067943-010ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2707	0.25	0	0	0	0	0	0.2587	4.53	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17608** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543308**

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

Sample ID **MB-17609** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544248**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17609** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544248**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **MB-17608** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544867**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17609	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP2_040402C
Client ID:	ZZZZZ	Batch ID:	17609	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545635

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	1.0									

Sample ID	MB-17609	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP2_040402C
Client ID:	ZZZZZ	Batch ID:	17609	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545645

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

Sample ID	LCS-17608	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP2_040330A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	3/30/2004	SeqNo:	543309

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47	2.0	50	0	94	80	120	0	0		
Arsenic	47.5	1.0	50	0	95	80	120	0	0		
Barium	54.5	1.0	50	0	109	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	47.5	1.0	50	0	95	80	120	0	0		
Cadmium	48.5	1.0	50	0	97	80	120	0	0		
Chromium	49.5	1.0	50	0	99	80	120	0	0		
Cobalt	47	1.0	50	0	94	80	120	0	0		
Copper	53.5	2.0	50	0	107	80	120	0	0		
Lead	47	1.0	50	0	94	80	120	0	0		
Molybdenum	47.5	1.0	50	0	95	80	120	0	0		
Nickel	47.5	1.0	50	0	95	80	120	0	0		
Selenium	46	1.0	50	0	92	80	120	0	0		
Silver	47	1.0	50	0	94	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		
Vanadium	46.5	1.0	50	0	93	80	120	0	0		
Zinc	47.5	1.0	50	0	95	80	120	0	0		

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544250**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.5	2.0	50	0	89	80	120	0	0		
Arsenic	44	1.0	50	0	88	80	120	0	0		
Barium	50	1.0	50	0	100	80	120	0	0		
Beryllium	43.5	1.0	50	0	87	80	120	0	0		
Cadmium	43	1.0	50	0	86	80	120	0	0		
Chromium	43.5	1.0	50	0	87	80	120	0	0		
Cobalt	43.5	1.0	50	0	87	80	120	0	0		
Copper	48	2.0	50	0	96	80	120	0	0		
Lead	43	1.0	50	0	86	80	120	0	0		
Molybdenum	43	1.0	50	0	86	80	120	0	0		
Nickel	43.5	1.0	50	0	87	80	120	0	0		
Selenium	43.5	1.0	50	0	87	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544250**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	44	1.0	50	0	88	80	120	0	0		
Vanadium	45	1.0	50	0	90	80	120	0	0		
Zinc	43	1.0	50	0	86	80	120	0	0		

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.14	2.0	50	0	90.3	80	120	0	0		
Arsenic	46.47	1.0	50	0	92.9	80	120	0	0		
Barium	51.11	1.0	50	0	102	80	120	0	0		
Beryllium	45.74	1.0	50	0	91.5	80	120	0	0		
Cadmium	48.49	1.0	50	0	97	80	120	0	0		
Chromium	49.91	1.0	50	0	99.8	80	120	0	0		
Cobalt	45.62	1.0	50	0	91.2	80	120	0	0		
Copper	50.09	2.0	50	0	100	80	120	0	0		
Lead	44.67	1.0	50	0	89.3	80	120	0	0		
Molybdenum	47.14	1.0	50	0	94.3	80	120	0	0		
Nickel	46.97	1.0	50	0	93.9	80	120	0	0		
Selenium	45.66	1.0	50	0	91.3	80	120	0	0		
Silver	45.47	1.0	50	0	90.9	80	120	0	0		
Thallium	45.24	1.0	50	0	90.5	80	120	0	0		
Vanadium	48.3	1.0	50	0	96.6	80	120	0	0		
Zinc	45.54	1.0	50	0	91.1	80	120	0	0		

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	45	1.0	50	0	90	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.5	2.0	50	0	95	80	120	0	0		
Arsenic	45.5	1.0	50	0	91	80	120	0	0		
Barium	50.5	1.0	50	0	101	80	120	0	0		
Beryllium	47.5	1.0	50	0	95	80	120	0	0		
Cadmium	47	1.0	50	0	94	80	120	0	0		
Chromium	48.5	1.0	50	0	97	80	120	0	0		
Cobalt	49	1.0	50	0	98	80	120	0	0		
Copper	52.5	2.0	50	0	105	80	120	0	0		
Lead	48	1.0	50	0	96	80	120	0	0		
Molybdenum	49	1.0	50	0	98	80	120	0	0		
Nickel	47.5	1.0	50	0	95	80	120	0	0		
Selenium	41.5	1.0	50	0	83	80	120	0	0		
Silver	47.5	1.0	50	0	95	80	120	0	0		
Thallium	48	1.0	50	0	96	80	120	0	0		
Vanadium	50	1.0	50	0	100	80	120	0	0		
Zinc	45.5	1.0	50	0	91	80	120	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85	2.0	125	0	68	23	118	0	0		
Arsenic	119.5	1.0	125	7.5	89.6	64	111	0	0		
Barium	238.5	1.0	125	110.5	102	36	146	0	0		
Beryllium	114.5	1.0	125	0	91.6	50	120	0	0		
Cadmium	105.5	1.0	125	0	84.4	62	107	0	0		
Chromium	133	1.0	125	11	97.6	63	119	0	0		
Cobalt	117	1.0	125	5.5	89.2	63	111	0	0		
Copper	188.5	2.0	125	35	123	58	136	0	0		
Lead	315.5	1.0	125	290.5	20	47	125	0	0		S

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	112.5	1.0	125	2	88.4	63	116	0	0		
Nickel	123	1.0	125	12	88.8	57	116	0	0		
Selenium	108	1.0	125	0	86.4	47	118	0	0		
Silver	122	1.0	125	0	97.6	48	125	0	0		
Thallium	114.5	1.0	125	0	91.6	49	116	0	0		
Vanadium	131	1.0	125	19	89.6	65	122	0	0		
Zinc	223	1.0	125	131	73.6	36	140	0	0		

Sample ID **067945-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544254**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	61	2.0	125	0	48.8	23	118	0	0		
Arsenic	108.5	1.0	125	4.785	83	64	111	0	0		
Barium	244	1.0	125	135.5	86.8	36	146	0	0		
Beryllium	98.5	1.0	125	0	78.8	50	120	0	0		
Cadmium	90.5	1.0	125	0	72.4	62	107	0	0		
Chromium	119	1.0	125	23.5	76.4	63	119	0	0		
Cobalt	104	1.0	125	8	76.8	63	111	0	0		
Copper	182	2.0	125	69	90.4	58	136	0	0		
Lead	378	1.0	125	314.5	50.8	47	125	0	0		
Molybdenum	97.5	1.0	125	2	76.4	63	116	0	0		
Nickel	114	1.0	125	18	76.8	57	116	0	0		
Selenium	95.5	1.0	125	0	76.4	47	118	0	0		
Thallium	98	1.0	125	0	78.4	49	116	0	0		
Vanadium	135	1.0	125	32	82.4	65	122	0	0		
Zinc	249.5	1.0	125	154	76.4	36	140	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.7	1.0	125	0	61.4	23	118	0	0		
Arsenic	38.68	1.0	125	0	30.9	64	111	0	0		S
Barium	184.3	1.0	125	92.77	73.2	36	146	0	0		
Beryllium	105.4	1.0	125	0	84.3	50	120	0	0		
Cadmium	95.1	1.0	125	0.7745	75.5	62	107	0	0		
Chromium	117.8	1.0	125	10.83	85.6	63	119	0	0		
Cobalt	102.4	1.0	125	4.952	77.9	63	111	0	0		
Copper	151.9	1.0	125	28.13	99	58	136	0	0		
Lead	266.2	1.0	125	256.5	7.79	47	125	0	0		S
Molybdenum	105.2	1.0	125	2.028	82.6	63	116	0	0		
Nickel	105.2	1.0	125	11.16	75.2	57	116	0	0		
Selenium	96.4	1.0	125	0	77.1	47	118	0	0		
Silver	101.6	1.0	125	0	81.2	48	125	0	0		
Thallium	101.8	1.0	125	0	81.4	49	116	0	0		
Vanadium	123.6	1.0	125	18.66	84	65	122	0	0		
Zinc	189.7	1.0	125	118.6	56.9	36	140	0	0		

Sample ID **067945-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	61	2.0	125	0	48.8	23	118	0	0		
Arsenic	101	1.0	125	9	73.6	64	111	0	0		
Barium	236	1.0	125	130.5	84.4	36	146	0	0		
Beryllium	87.5	1.0	125	0	70	50	120	0	0		
Cadmium	80.5	1.0	125	0	64.4	62	107	0	0		
Chromium	103	1.0	125	20	66.4	63	119	0	0		
Cobalt	98	1.0	125	7.5	72.4	63	111	0	0		
Copper	194	2.0	125	73.5	96.4	58	136	0	0		
Lead	349	1.0	125	285	51.2	47	125	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067945-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	94	1.0	125	1.5	74	63	116	0	0		
Nickel	103.5	1.0	125	16	70	57	116	0	0		
Selenium	87	1.0	125	0	69.6	47	118	0	0		
Silver	108.5	1.0	125	0	86.8	48	125	0	0		
Thallium	94	1.0	125	0	75.2	49	116	0	0		
Vanadium	135	1.0	125	32	82.4	65	122	0	0		
Zinc	214.5	1.0	125	133	65.2	36	140	0	0		

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.5	2.0	125	0	71.6	23	118	85	5.16	20	
Arsenic	117.5	1.0	125	7.5	88	64	111	119.5	1.69	20	
Barium	221	1.0	125	110.5	88.4	36	146	238.5	7.62	20	
Beryllium	112.5	1.0	125	0	90	50	120	114.5	1.76	20	
Cadmium	104	1.0	125	0	83.2	62	107	105.5	1.43	20	
Chromium	125	1.0	125	11	91.2	63	119	133	6.20	20	
Cobalt	115.5	1.0	125	5.5	88	63	111	117	1.29	20	
Copper	158	2.0	125	35	98.4	58	136	188.5	17.6	20	
Lead	304	1.0	125	290.5	10.8	47	125	315.5	3.71	20	S
Molybdenum	112	1.0	125	2	88	63	116	112.5	0.445	20	
Nickel	123.5	1.0	125	12	89.2	57	116	123	0.406	20	
Selenium	107.5	1.0	125	0	86	47	118	108	0.464	20	
Silver	118.5	1.0	125	0	94.8	48	125	122	2.91	20	
Thallium	112.5	1.0	125	0	90	49	116	114.5	1.76	20	
Vanadium	126	1.0	125	19	85.6	65	122	131	3.89	20	
Zinc	236.5	1.0	125	131	84.4	36	140	223	5.88	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067945-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	64.5	2.0	125	0	51.6	23	118	61	5.58	20	
Arsenic	117.5	1.0	125	4.785	90.2	64	111	108.5	7.96	20	
Barium	271	1.0	125	135.5	108	36	146	244	10.5	20	
Beryllium	103.5	1.0	125	0	82.8	50	120	98.5	4.95	20	
Cadmium	94	1.0	125	0	75.2	62	107	90.5	3.79	20	
Chromium	151.5	1.0	125	23.5	102	63	119	119	24.0	20	R
Cobalt	108	1.0	125	8	80	63	111	104	3.77	20	
Copper	498.5	2.0	125	69	344	58	136	182	93.0	20	SR
Lead	447	1.0	125	314.5	106	47	125	378	16.7	20	
Molybdenum	103.5	1.0	125	2	81.2	63	116	97.5	5.97	20	
Nickel	120	1.0	125	18	81.6	57	116	114	5.13	20	
Selenium	100.5	1.0	125	0	80.4	47	118	95.5	5.10	20	
Thallium	103	1.0	125	0	82.4	49	116	98	4.98	20	
Vanadium	140.5	1.0	125	32	86.8	65	122	135	3.99	20	
Zinc	733	1.0	125	154	463	36	140	249.5	98.4	20	SR

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.42	1.0	125	0	66.7	23	118	76.7	8.39	20	
Arsenic	51.1	1.0	125	0	40.9	64	111	38.68	27.7	20	SR
Barium	175	1.0	125	92.77	65.7	36	146	184.3	5.22	20	
Beryllium	104.1	1.0	125	0	83.2	50	120	105.4	1.28	20	
Cadmium	96.31	1.0	125	0.7745	76.4	62	107	95.1	1.27	20	
Chromium	112.1	1.0	125	10.83	81.1	63	119	117.8	4.92	20	
Cobalt	103.9	1.0	125	4.952	79.2	63	111	102.4	1.49	20	
Copper	131.4	1.0	125	28.13	82.6	58	136	151.9	14.5	20	
Lead	265.4	1.0	125	256.5	7.11	47	125	266.2	0.318	20	S
Molybdenum	107.6	1.0	125	2.028	84.4	63	116	105.2	2.20	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	107.9	1.0	125	11.16	77.4	57	116	105.2	2.48	20	
Selenium	97.6	1.0	125	0	78.1	47	118	96.4	1.24	20	
Silver	101.1	1.0	125	0	80.9	48	125	101.6	0.440	20	
Thallium	103.2	1.0	125	0	82.6	49	116	101.8	1.46	20	
Vanadium	121.2	1.0	125	18.66	82	65	122	123.6	1.97	20	
Zinc	211.8	1.0	125	118.6	74.6	36	140	189.7	11.0	20	

Sample ID **067945-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	63.5	2.0	125	0	50.8	23	118	61	4.02	20	
Arsenic	108	1.0	125	9	79.2	64	111	101	6.70	20	
Barium	259.5	1.0	125	130.5	103	36	146	236	9.49	20	
Beryllium	91	1.0	125	0	72.8	50	120	87.5	3.92	20	
Cadmium	83	1.0	125	0	66.4	62	107	80.5	3.06	20	
Chromium	130	1.0	125	20	88	63	119	103	23.2	20	R
Cobalt	100.5	1.0	125	7.5	74.4	63	111	98	2.52	20	
Copper	525.5	2.0	125	73.5	362	58	136	194	92.1	20	SR
Lead	406.5	1.0	125	285	97.2	47	125	349	15.2	20	
Molybdenum	98	1.0	125	1.5	77.2	63	116	94	4.17	20	
Nickel	107.5	1.0	125	16	73.2	57	116	103.5	3.79	20	
Selenium	89.5	1.0	125	0	71.6	47	118	87	2.83	20	
Silver	113.5	1.0	125	0	90.8	48	125	108.5	4.50	20	
Thallium	96.5	1.0	125	0	77.2	49	116	94	2.62	20	
Vanadium	138.5	1.0	125	32	85.2	65	122	135	2.56	20	
Zinc	566.5	1.0	125	133	347	36	140	214.5	90.1	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067945-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	4.82	1.0	0	0	0	0	0	4.785	0.729	20	
Barium	133	1.0	0	0	0	0	0	135.5	1.86	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	27.5	1.0	0	0	0	0	0	23.5	15.7	20	
Cobalt	8.5	1.0	0	0	0	0	0	8	6.06	20	
Copper	51.5	2.0	0	0	0	0	0	69	29.0	20	R
Lead	432.5	1.0	0	0	0	0	0	314.5	31.6	20	R
Molybdenum	2.5	1.0	0	0	0	0	0	2	22.2	20	R
Nickel	17	1.0	0	0	0	0	0	18	5.71	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	34.5	1.0	0	0	0	0	0	32	7.52	20	
Zinc	149	1.0	0	0	0	0	0	154	3.30	20	

Sample ID **067944-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	90.02	1.0	0	0	0	0	0	92.77	3.01	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.7745	0	20	
Chromium	10.9	1.0	0	0	0	0	0	10.83	0.655	20	
Cobalt	4.549	1.0	0	0	0	0	0	4.952	8.47	20	
Copper	44.63	1.0	0	0	0	0	0	28.13	45.4	20	R
Lead	243.3	1.0	0	0	0	0	0	256.5	5.27	20	
Molybdenum	1.921	1.0	0	0	0	0	0	2.028	5.40	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	9.817	1.0	0	0	0	0	0	11.16	12.8	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	16.16	1.0	0	0	0	0	0	18.66	14.4	20	
Zinc	119.9	1.0	0	0	0	0	0	118.6	1.15	20	

Sample ID **067945-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	1.0	0	0	0	0	0	0	0	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17569** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **AA1_040330B**
Client ID: **ZZZZZ** Batch ID: **17569** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **3/30/2004** SeqNo: **543576**

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

Sample ID **LCS-17569** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **AA1_040330B**
Client ID: **ZZZZZ** Batch ID: **17569** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **3/30/2004** SeqNo: **543575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.177	0.10	2.08	0	105	80	120	0	0		

Sample ID **067945-006AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **AA1_040330B**
Client ID: **ZZZZZ** Batch ID: **17569** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **3/30/2004** SeqNo: **543573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.96	0.10	0.83	0.05628	109	62	146	0	0		

Sample ID **067945-006AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **AA1_040330B**
Client ID: **ZZZZZ** Batch ID: **17569** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **3/30/2004** SeqNo: **543574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3057	0.10	0.83	0.05628	30.1	62	146	0.96	103	30	SR

Sample ID **067945-006ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **AA1_040330B**
Client ID: **ZZZZZ** Batch ID: **17569** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **3/30/2004** SeqNo: **543572**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.05628	0	30	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17737** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553714**

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

Sample ID **MB-17737A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553715**

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

Sample ID **MB-17737B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553729**

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

Sample ID **LCS-17737** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.127	0.25	5	0	103	80	120	0	0		

Sample ID **067946-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.587	0.25	5	2.645	98.8	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067941
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	067946-013AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553738

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.678	0.25	5	0.328	107	70	130	0	0		

Sample ID	067946-001ADUP	SampType:	DUP	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553727

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.486	0.25	0	0	0	0	0	2.645	6.19	20	

Sample ID	067946-013ADUP	SampType:	DUP	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553736

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.3153	0.25	0	0	0	0	0	0.328	3.94	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
017941-001	710-109-5		3/17/04	855	soil	1	X
- 002	710-109-0.3			858			
- 003	710-109-0.6			1001			
- 004	710-109-0.9			1005			
- 005	710-110-5			1012			
- 006	710-110-0.3			1014			
- 007	710-110-0.6			1017			
- 008	710-110-0.9			1018			
- 009	710-111-5			855			
- 010	710-111-0.3			858			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 2

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0404411-011	710-111-0.6		3/18/04	959	soil	1	X
- 012	710-111-0.8			1001			
- 013	710-112-3			952			
- 014	710-112-0.3			957			
- 015	710-112-0.6			1002			
- 016	710-112-0.9			1005			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067955

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067955
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067955-001A	710-113-S	240	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-002A	710-113-0.3	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-003A	710-113-0.6	9.0	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-004A	710-113-0.9	10	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-005A	710-114-0.3	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-006A	710-114-0.6	ND	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-007A	710-114-0.9	11	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-008A	710-114-S	130	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-009A	710-115-S	350	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-010A	710-115-0.3	81	mg/Kg	17473	5	1	3/18/2004	3/23/2004
067955-011A	710-115-0.6	26	mg/Kg	17474	5	1	3/18/2004	3/24/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067955
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067955-012A	710-115-0.9	37	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067955-013A	710-116-S	170	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067955-014A	710-116-0.3	5.7	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067955-015A	710-116-0.6	6.6	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067955-016A	710-116-0.9	ND	mg/Kg	17474	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
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Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067955
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067955-004A	710-113-0.9	8.58	pH Units	R36315	0.1	1	3/18/2004	3/22/2004
067955-008A	710-114-S	8.41	pH Units	R36315	0.1	1	3/18/2004	3/22/2004
067955-012A	710-115-0.9	8.20	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067955-016A	710-116-0.9	7.96	pH Units	R36316	0.1	1	3/18/2004	3/22/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067955
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067955-001A	710-113-S	23	mg/L	R36826	1.2	5	3/18/2004	4/5/2004
067955-008A	710-114-S	12	mg/L	R36826	0.5	2	3/18/2004	4/5/2004
067955-009A	710-115-S	24	mg/L	R36826	1.2	5	3/18/2004	4/5/2004
067955-010A	710-115-0.3	14	mg/L	R36826	0.5	2	3/18/2004	4/5/2004
067955-013A	710-116-S	8.9	mg/L	R36826	0.25	1	3/18/2004	4/5/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067955
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067955-001A	710-113-S	0.32	mg/L	17670	0.25	1	3/18/2004	4/3/2004
067955-008A	710-114-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004
067955-009A	710-115-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004
067955-013A	710-116-S	ND	mg/L	17670	0.25	1	3/18/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-113-S
Lab Order:	067955		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067955-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	81	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	1.1	1.0		mg/Kg	1	4/2/2004
Chromium	20	1.0		mg/Kg	1	4/2/2004
Cobalt	6.1	1.0		mg/Kg	1	4/2/2004
Copper	40	1.0		mg/Kg	1	4/2/2004
Lead	210	1.0		mg/Kg	1	4/2/2004
Molybdenum	3.7	1.0		mg/Kg	1	4/2/2004
Nickel	17	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	26	1.0		mg/Kg	1	4/2/2004
Zinc	190	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-115-S
Lab Order:	067955		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067955-009A	**Matrix:**	SOIL

ICP METALS

(EPA 3050A) **EPA 6010B**

RunID: ICP5_040402C QC Batch: 17650 PrepDate 3/31/2004 Analyst: **NS**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	110	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	18	1.0		mg/Kg	1	4/2/2004
Cobalt	6.5	1.0		mg/Kg	1	4/2/2004
Copper	68	1.0		mg/Kg	1	4/2/2004
Lead	250	1.0		mg/Kg	1	4/2/2004
Molybdenum	2.0	1.0		mg/Kg	1	4/2/2004
Nickel	18	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	30	1.0		mg/Kg	1	4/2/2004
Zinc	200	1.0		mg/Kg	1	4/2/2004

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471) **EPA 7471A**

RunID: AA1_040401B QC Batch: 17644 PrepDate 4/1/2004 Analyst: **JT**

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067955
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067955-001A	710-113-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067955-008A	710-114-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067955-009A	710-115-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067955-010A	710-115-0.3	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067955-013A	710-116-S	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17473A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539719**

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

Sample ID **MB-17473B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539733**

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

Sample ID **MB-17474A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **ZZZZZ** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540280**

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

Sample ID **MB-17474B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **ZZZZZ** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540295**

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

Sample ID **LCS-17473** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	245.3	5.0	250	0	98.1	80	120	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17474** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **ZZZZZ** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251	5.0	250	0	100	80	120	0	0		

Sample ID **067954-016AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **ZZZZZ** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	194	5.0	250	3.562	76.2	47	125	0	0		

Sample ID **067955-010AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323D**
Client ID: **710-115-0.3** Batch ID: **17473** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276	5.0	250	81.42	77.8	47	125	0	0		

Sample ID **067956-004AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **ZZZZZ** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	202.2	5.0	250	9.01	77.3	47	125	0	0		

Sample ID **067956-014AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **ZZZZZ** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	248.6	5.0	250	27.73	88.3	47	125	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	067955-010AMSD	SampType:	MSD	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323D
Client ID:	710-115-0.3	Batch ID:	17473	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	312.1	5.0	250	81.42	92.3	47	125	276	12.3	20	

Sample ID	067956-014AMSD	SampType:	MSD	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324F
Client ID:	ZZZZZ	Batch ID:	17474	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	540308

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	226.3	5.0	250	27.73	79.4	47	125	248.6	9.36	20	

Sample ID	067954-016ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323D
Client ID:	ZZZZZ	Batch ID:	17473	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539731

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	3.562	0	20	

Sample ID	067955-010ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323D
Client ID:	710-115-0.3	Batch ID:	17473	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539744

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	69.94	5.0	0	0	0	0	0	81.42	15.2	20	

Sample ID	067956-004ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324F
Client ID:	ZZZZZ	Batch ID:	17474	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	540293

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	9.01	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067956-014ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **ZZZZZ** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	121	5.0	0	0	0	0	0	27.73	125	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067955-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322F**
Client ID: **710-114-S** Batch ID: **R36315** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.36	0.10	0	0	0	0	0	8.41	0.596	20	

Sample ID **067958-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322G**
Client ID: **ZZZZZ** Batch ID: **R36316** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.08	0.10	0	0	0	0	0	8.12	0.494	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17641** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547402**

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

Sample ID **MB-17641A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547403**

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

Sample ID **MB-17641B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547416**

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

Sample ID **LCS-17641** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.492	0.25	5	0	89.8	80	120	0	0		

Sample ID **067955-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **710-115-S** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.15	1.2	5	23.71	109	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067960-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.484	0.25	5	0.09621	87.8	70	130	0	0		

Sample ID **067955-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **710-115-S** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	1.2	0	0	0	0	0	23.71	14.8	20	

Sample ID **067960-012ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.09621	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17650** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545546**

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

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	42.58	2.0	50	0	85.2	80	120	0	0		
Arsenic	43.67	1.0	50	0	87.3	80	120	0	0		
Barium	48.19	1.0	50	0	96.4	80	120	0	0		
Beryllium	43.53	1.0	50	0	87.1	80	120	0	0		
Cadmium	43.38	1.0	50	0	86.8	80	120	0	0		
Chromium	46.03	1.0	50	0	92.1	80	120	0	0		
Cobalt	43.11	1.0	50	0	86.2	80	120	0	0		
Copper	44.87	2.0	50	0	89.7	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
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Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.72	1.0	50	0	85.4	80	120	0	0		
Molybdenum	44.77	1.0	50	0	89.5	80	120	0	0		
Nickel	43.06	1.0	50	0	86.1	80	120	0	0		
Selenium	42.81	1.0	50	0	85.6	80	120	0	0		
Silver	42.86	1.0	50	0	85.7	80	120	0	0		
Thallium	41.9	1.0	50	0	83.8	80	120	0	0		
Vanadium	45.39	1.0	50	0	90.8	80	120	0	0		
Zinc	41.87	1.0	50	0	83.7	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.1	1.0	125	0	54.5	23	118	0	0		
Arsenic	ND	1.0	125	0	0	64	111	0	0		S
Barium	184.8	1.0	125	87.01	78.3	36	146	0	0		
Beryllium	100.4	1.0	125	0	80.3	50	120	0	0		
Cadmium	93.24	1.0	125	0	74.6	62	107	0	0		
Chromium	112.4	1.0	125	13.35	79.2	63	119	0	0		
Cobalt	99.55	1.0	125	5.714	75.1	63	111	0	0		
Copper	118	1.0	125	11.37	85.3	58	136	0	0		
Lead	127.2	1.0	125	40.37	69.5	47	125	0	0		
Molybdenum	98.72	1.0	125	0.8657	78.3	63	116	0	0		
Nickel	103.2	1.0	125	11.66	73.2	57	116	0	0		
Selenium	92.89	1.0	125	0	74.3	47	118	0	0		
Silver	100.8	1.0	125	0	80.6	48	125	0	0		
Thallium	84.34	1.0	125	0	67.5	49	116	0	0		
Vanadium	134.3	1.0	125	30.27	83.2	65	122	0	0		
Zinc	148.8	1.0	125	60.06	71	36	140	0	0		

Qualifiers:
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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	70.22	1.0	125	0	56.2	23	118	68.1	3.07	20	
Arsenic	ND	1.0	125	0	0	64	111	0	0	20	S
Barium	188.1	1.0	125	87.01	80.8	36	146	184.8	1.73	20	
Beryllium	100.8	1.0	125	0	80.6	50	120	100.4	0.335	20	
Cadmium	93.48	1.0	125	0	74.8	62	107	93.24	0.257	20	
Chromium	114.2	1.0	125	13.35	80.7	63	119	112.4	1.62	20	
Cobalt	101	1.0	125	5.714	76.3	63	111	99.55	1.49	20	
Copper	119.5	1.0	125	11.37	86.5	58	136	118	1.27	20	
Lead	136.6	1.0	125	40.37	77	47	125	127.2	7.12	20	
Molybdenum	100.5	1.0	125	0.8657	79.7	63	116	98.72	1.80	20	
Nickel	105.3	1.0	125	11.66	74.9	57	116	103.2	1.99	20	
Selenium	94.49	1.0	125	0	75.6	47	118	92.89	1.71	20	
Silver	100.7	1.0	125	0	80.5	48	125	100.8	0.123	20	
Thallium	98.61	1.0	125	0	78.9	49	116	84.34	15.6	20	
Vanadium	137	1.0	125	30.27	85.4	65	122	134.3	2.00	20	
Zinc	155.5	1.0	125	60.06	76.3	36	140	148.8	4.39	20	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	101.8	1.0	0	0	0	0	0	87.01	15.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	16.65	1.0	0	0	0	0	0	13.35	22.1	20	R
Cobalt	7.005	1.0	0	0	0	0	0	5.714	20.3	20	R
Copper	13.14	1.0	0	0	0	0	0	11.37	14.5	20	
Lead	42.63	1.0	0	0	0	0	0	40.37	5.46	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0	0	0	0	0	0	0.8657	0	20	
Nickel	14.44	1.0	0	0	0	0	0	11.66	21.3	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.7	1.0	0	0	0	0	0	30.27	16.5	20	
Zinc	64.78	1.0	0	0	0	0	0	60.06	7.58	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17644	MBLK	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545004

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17644	LCS	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545003

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.796	0.10	2.08	0	86.3	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013AMS	MS	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545001

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7208	0.10	0.83	0	86.8	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013AMSD	MSD	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545002

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6942	0.10	0.83	0	83.6	62	146	0.7208	3.76	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013ADUP	DUP	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545000

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17812** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552754**

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

Sample ID **MB-17812A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552755**

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

Sample ID **MB-17812B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552769**

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

Sample ID **LCS-17812** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.325	0.25	5	0	107	80	120	0	0		

Sample ID **067955-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **710-113-S** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.315	0.25	5	0.2268	102	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067955
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067960-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.305	0.25	5	0.1747	103	70	130	0	0		

Sample ID **067955-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **710-113-S** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2268	0	20	

Sample ID **067960-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1747	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/09
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 3A

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0619995-001	710-113-5		3/18/09	1205	soil	1	X
-002	710-113-0.3			1208	X		
-003	710-113-0.6			1211			
-004	710-113-0.9			1215			
-005	710-114-0.3			1215			
-006	710-114-0.6			1220			
-007	710-114-0.9			1225			
-008	710-114-5			1210			
-009	710-115-5			1237			
-010	710-115-0.3			1240			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/09	1135
[signature]	[signature]	3/19/09	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 3A

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
060455-011	710-115-0.6		3/18/04	1243	soil	1	X
- 012	710-115-0.9			1245			
- 013	710-116-5			1201			
- 014	710-116-0.3			1215			
- 015	710-116-0.6			1216			
- 016	710-116-0.9			1218			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838

RE: Route 60 KP 18.8-37.0/09100-06-111

NELAP No.: 02107CA

Attention: Mike Conkle

Workorder No.: 067946

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067946
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067946-001A	710-117-S	420	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067946-002A	710-117-0.3	56	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-003A	710-117-0.6	9.4	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-004A	710-117-0.9	5.4	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-005A	710-118-S	380	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-006A	710-118-0.3	51	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-007A	710-118-0.6	23	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-008A	710-118-0.9	5.9	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-009A	710-119-S	120	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-010A	710-119-0.3	79	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-011A	710-119-0.6	9.8	mg/Kg	17472	5	1	3/19/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067946
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067946-012A	710-119-0.9	76	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-013A	710-120-S	84	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-014A	710-120-0.3	23	mg/Kg	17472	5	1	3/19/2004	3/23/2004
067946-015A	710-120-0.6	16	mg/Kg	17472	5	1	3/19/2004	3/23/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067946
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067946-004A	710-117-0.9	8.28	pH Units	R36315	0.1	1	3/19/2004	3/22/2004
067946-008A	710-118-0.9	8.45	pH Units	R36315	0.1	1	3/19/2004	3/22/2004
067946-012A	710-119-0.9	8.26	pH Units	R36315	0.1	1	3/19/2004	3/22/2004
067946-015A	710-120-0.6	8.41	pH Units	R36315	0.1	1	3/19/2004	3/22/2004

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067946
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067946-001A	710-117-S	44	mg/L	R36695	1.2	5	3/19/2004	3/31/2004
067946-002A	710-117-0.3	1.9	mg/L	R36695	0.25	1	3/19/2004	3/31/2004
067946-005A	710-118-S	33	mg/L	R36695	1.2	5	3/19/2004	3/31/2004
067946-006A	710-118-0.3	0.90	mg/L	R36695	0.25	1	3/19/2004	3/31/2004
067946-009A	710-119-S	14	mg/L	R36695	0.5	2	3/19/2004	4/1/2004
067946-010A	710-119-0.3	4.3	mg/L	R36695	0.25	1	3/19/2004	4/1/2004
067946-012A	710-119-0.9	1.9	mg/L	R36695	0.25	1	3/19/2004	4/1/2004
067946-013A	710-120-S	9.8	mg/L	R36695	0.25	1	3/19/2004	4/1/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067946
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067946-001A	710-117-S	3.3	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067946-005A	710-118-S	1.8	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067946-009A	710-119-S	0.40	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067946-013A	710-120-S	ND	mg/L	17670	0.25	1	3/19/2004	4/3/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-117-S
Lab Order:	067946		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067946-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	70	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	12	1.0		mg/Kg	1	4/2/2004
Cobalt	4.6	1.0		mg/Kg	1	4/2/2004
Copper	36	1.0		mg/Kg	1	4/2/2004
Lead	410	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.9	1.0		mg/Kg	1	4/2/2004
Nickel	10	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	18	1.0		mg/Kg	1	4/2/2004
Zinc	110	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-118-S
Lab Order:	067946		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067946-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	60	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	9.7	1.0		mg/Kg	1	4/2/2004
Cobalt	3.7	1.0		mg/Kg	1	4/2/2004
Copper	25	1.0		mg/Kg	1	4/2/2004
Lead	380	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.0	1.0		mg/Kg	1	4/2/2004
Nickel	8.6	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	15	1.0		mg/Kg	1	4/2/2004
Zinc	92	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067946
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067946-001A	710-117-S	2.6	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067946-005A	710-118-S	1.4	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067946-009A	710-119-S	0.51	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067946-013A	710-120-S	0.33	mg/L	R37197	0.25	1	3/19/2004	4/16/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17471A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539663

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

Sample ID	MB-17471B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539677

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

Sample ID	MB-17472A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323C
Client ID:	ZZZZZ	Batch ID:	17472	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539691

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

Sample ID	MB-17472B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323C
Client ID:	ZZZZZ	Batch ID:	17472	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539705

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

Sample ID	LCS-17471	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539664

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.7	5.0	250	0	93.5	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17472	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323C
Client ID: ZZZZZ	Batch ID: 17472	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539692

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253	5.0	250	0	101	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-007AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323B
Client ID: ZZZZZ	Batch ID: 17471	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539676

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.7	5.0	250	15.76	72.4	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067946-001AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323B
Client ID: 710-117-S	Batch ID: 17471	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539689

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	653.8	5.0	250	420.9	93.2	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067946-011AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323C
Client ID: 710-119-0.6	Batch ID: 17472	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539704

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	193.3	5.0	250	9.797	73.4	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067954-006AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323C
Client ID: ZZZZZ	Batch ID: 17472	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539717

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	194	5.0	250	11.68	72.9	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067954-006AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **ZZZZZ** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	193.5	5.0	250	11.68	72.7	47	125	194	0.297	20	

Sample ID **067945-007ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323B**
Client ID: **ZZZZZ** Batch ID: **17471** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	39.03	5.0	0	0	0	0	0	15.76	84.9	20	R

Sample ID **067946-001ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323B**
Client ID: **710-117-S** Batch ID: **17471** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	668.6	5.0	0	0	0	0	0	420.9	45.5	20	R

Sample ID **067946-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **710-119-0.6** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.88	5.0	0	0	0	0	0	9.797	27.2	20	R

Sample ID **067954-006ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323C**
Client ID: **ZZZZZ** Batch ID: **17472** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.932	5.0	0	0	0	0	0	11.68	38.2	20	R

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067955-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322F**
Client ID: **ZZZZZ** Batch ID: **R36315** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.36	0.10	0	0	0	0	0	8.41	0.596	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Date: *05-Apr-04*

CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17599** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **3/31/2004** SeqNo: **545106**

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

Sample ID **MB-17599A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **3/31/2004** SeqNo: **545107**

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

Sample ID **MB-17599B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545140**

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

Sample ID **LCS-17599** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **3/31/2004** SeqNo: **545108**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.089	0.25	5	0	102	80	120	0	0		

Sample ID **067946-010AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **710-119-0.3** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.875	0.25	5	4.332	50.9	70	130	0	0		S

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068030-002AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.038	0.25	5	0.1175	78.4	70	130	0	0		

Sample ID **067946-010ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **710-119-0.3** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.99	0.25	0	0	0	0	0	4.332	14.1	20	

Sample ID **068030-002ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1175	0	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17670** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545883**

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

Sample ID **MB-17670ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545884**

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

Sample ID **MB-17670B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545898**

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

Sample ID **MB-17670BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545899**

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

Sample ID **LCS-17670** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8773	0.25	1	0	87.7	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067946-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **710-118-S** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.748	0.25	2.5	1.822	117	70	130	0	0		

Sample ID **067955-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.729	0.25	2.5	0.1556	103	70	130	0	0		

Sample ID **067946-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **710-118-S** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.719	0.25	0	0	0	0	0	1.822	5.82	20	

Sample ID **067955-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1556	0	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17650** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545546**

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

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	42.58	2.0	50	0	85.2	80	120	0	0		
Arsenic	43.67	1.0	50	0	87.3	80	120	0	0		
Barium	48.19	1.0	50	0	96.4	80	120	0	0		
Beryllium	43.53	1.0	50	0	87.1	80	120	0	0		
Cadmium	43.38	1.0	50	0	86.8	80	120	0	0		
Chromium	46.03	1.0	50	0	92.1	80	120	0	0		
Cobalt	43.11	1.0	50	0	86.2	80	120	0	0		
Copper	44.87	2.0	50	0	89.7	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.72	1.0	50	0	85.4	80	120	0	0		
Molybdenum	44.77	1.0	50	0	89.5	80	120	0	0		
Nickel	43.06	1.0	50	0	86.1	80	120	0	0		
Selenium	42.81	1.0	50	0	85.6	80	120	0	0		
Silver	42.86	1.0	50	0	85.7	80	120	0	0		
Thallium	41.9	1.0	50	0	83.8	80	120	0	0		
Vanadium	45.39	1.0	50	0	90.8	80	120	0	0		
Zinc	41.87	1.0	50	0	83.7	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.1	1.0	125	0	54.5	23	118	0	0		
Arsenic	ND	1.0	125	0	0	64	111	0	0		S
Barium	184.8	1.0	125	87.01	78.3	36	146	0	0		
Beryllium	100.4	1.0	125	0	80.3	50	120	0	0		
Cadmium	93.24	1.0	125	0	74.6	62	107	0	0		
Chromium	112.4	1.0	125	13.35	79.2	63	119	0	0		
Cobalt	99.55	1.0	125	5.714	75.1	63	111	0	0		
Copper	118	1.0	125	11.37	85.3	58	136	0	0		
Lead	127.2	1.0	125	40.37	69.5	47	125	0	0		
Molybdenum	98.72	1.0	125	0.8657	78.3	63	116	0	0		
Nickel	103.2	1.0	125	11.66	73.2	57	116	0	0		
Selenium	92.89	1.0	125	0	74.3	47	118	0	0		
Silver	100.8	1.0	125	0	80.6	48	125	0	0		
Thallium	84.34	1.0	125	0	67.5	49	116	0	0		
Vanadium	134.3	1.0	125	30.27	83.2	65	122	0	0		
Zinc	148.8	1.0	125	60.06	71	36	140	0	0		

Qualifiers:
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H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	70.22	1.0	125	0	56.2	23	118	68.1	3.07	20	
Arsenic	ND	1.0	125	0	0	64	111	0	0	20	S
Barium	188.1	1.0	125	87.01	80.8	36	146	184.8	1.73	20	
Beryllium	100.8	1.0	125	0	80.6	50	120	100.4	0.335	20	
Cadmium	93.48	1.0	125	0	74.8	62	107	93.24	0.257	20	
Chromium	114.2	1.0	125	13.35	80.7	63	119	112.4	1.62	20	
Cobalt	101	1.0	125	5.714	76.3	63	111	99.55	1.49	20	
Copper	119.5	1.0	125	11.37	86.5	58	136	118	1.27	20	
Lead	136.6	1.0	125	40.37	77	47	125	127.2	7.12	20	
Molybdenum	100.5	1.0	125	0.8657	79.7	63	116	98.72	1.80	20	
Nickel	105.3	1.0	125	11.66	74.9	57	116	103.2	1.99	20	
Selenium	94.49	1.0	125	0	75.6	47	118	92.89	1.71	20	
Silver	100.7	1.0	125	0	80.5	48	125	100.8	0.123	20	
Thallium	98.61	1.0	125	0	78.9	49	116	84.34	15.6	20	
Vanadium	137	1.0	125	30.27	85.4	65	122	134.3	2.00	20	
Zinc	155.5	1.0	125	60.06	76.3	36	140	148.8	4.39	20	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	101.8	1.0	0	0	0	0	0	87.01	15.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	16.65	1.0	0	0	0	0	0	13.35	22.1	20	R
Cobalt	7.005	1.0	0	0	0	0	0	5.714	20.3	20	R
Copper	13.14	1.0	0	0	0	0	0	11.37	14.5	20	
Lead	42.63	1.0	0	0	0	0	0	40.37	5.46	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0	0	0	0	0	0	0.8657	0	20	
Nickel	14.44	1.0	0	0	0	0	0	11.66	21.3	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.7	1.0	0	0	0	0	0	30.27	16.5	20	
Zinc	64.78	1.0	0	0	0	0	0	60.06	7.58	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17644	MBLK	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545004

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17644	LCS	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545003

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.796	0.10	2.08	0	86.3	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013AMS	MS	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545001

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7208	0.10	0.83	0	86.8	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013AMSD	MSD	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545002

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6942	0.10	0.83	0	83.6	62	146	0.7208	3.76	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013ADUP	DUP	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545000

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17737** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553714**

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

Sample ID **MB-17737A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553715**

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

Sample ID **MB-17737B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553729**

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

Sample ID **LCS-17737** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.127	0.25	5	0	103	80	120	0	0		

Sample ID **067946-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **710-117-S** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.587	0.25	5	2.645	98.8	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067946
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067946-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **710-120-S** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.678	0.25	5	0.328	107	70	130	0	0		

Sample ID **067946-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **710-117-S** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.486	0.25	0	0	0	0	0	2.645	6.19	20	

Sample ID **067946-013ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **710-120-S** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.3153	0.25	0	0	0	0	0	0.328	3.94	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/09
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 3 of 3

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
267946-001	710-117-5		3/18/09	1038	soil	1	X
- 002	710-117-0.3			1039			
- 003	710-117-0.6			1047			
- 004	710-117-0.8			1050			
- 005	710-118-5			1037			
- 006	710-118-0.3			1041			
- 007	710-118-0.6			1055			
- 008	710-118-0.9			1102			
- 009	710-119-5			1059			
- 010	710-119-0.3			1100			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP #33

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0604146-01	710-119-0.6		3/19/04	1101	soil	1	✓
- 02	710-119-0.5			1103			
- 03	710-120-5			1041			
- 04	710-120-0.3			1044			
↓ - 05	710-120-0.6			1047			✓
	~~710-~~						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 24, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067942

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067942
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067942-001A	710-121-S	410	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067942-002A	710-121-0.3	55	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067942-003A	710-121-0.6	9.9	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067942-004A	710-121-0.9	8.7	mg/Kg	17468	5	1	3/19/2004	3/22/2004
067942-005A	710-122-S	420	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-006A	710-122-0.3	61	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-007A	710-122-0.6	62	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-008A	710-122-0.9	ND	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-009A	710-123-S	88	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-010A	710-123-0.3	ND	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-011A	710-123-0.6	16	mg/Kg	17469	5	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067942
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067942-012A	710-124-S	63	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-013A	710-124-0.3	15	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-014A	710-124-0.6	6.1	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067942-015A	710-124-0.9	8.8	mg/Kg	17469	5	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067942
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067942-004A	710-121-0.9	8.55	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067942-008A	710-122-0.9	8.55	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067942-012A	710-124-S	8.32	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067942-015A	710-124-0.9	8.19	pH Units	R36313	0.1	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/2/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067942
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067942-001A	710-121-S	34	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067942-002A	710-121-0.3	23	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067942-005A	710-122-S	38	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067942-006A	710-122-0.3	1.2	mg/L	R36694	0.25	1	3/19/2004	3/30/2004
067942-007A	710-122-0.6	2.7	mg/L	R36694	0.25	1	3/19/2004	3/30/2004
067942-009A	710-123-S	5.8	mg/L	R36694	0.25	1	3/19/2004	3/30/2004
067942-012A	710-124-S	6.4	mg/L	R36694	0.25	1	3/19/2004	3/30/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/2/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067942
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067942-001A	710-121-S	2.0	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067942-005A	710-122-S	1.6	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067942-009A	710-123-S	0.89	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067942-012A	710-124-S	0.26	mg/L	17626	0.25	1	3/19/2004	3/31/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *02-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-121-S
Lab Order:	067942		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067942-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	73	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	12	1.0		mg/Kg	1	4/1/2004
Cobalt	5.0	1.0		mg/Kg	1	4/1/2004
Copper	24	1.0		mg/Kg	1	4/1/2004
Lead	430	1.0		mg/Kg	1	4/1/2004
Molybdenum	ND	1.0		mg/Kg	1	4/1/2004
Nickel	9.7	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	21	1.0		mg/Kg	1	4/1/2004
Zinc	90	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *02-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-122-S
Lab Order:	067942		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067942-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	82	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	13	1.0		mg/Kg	1	4/1/2004
Cobalt	4.9	1.0		mg/Kg	1	4/1/2004
Copper	28	1.0		mg/Kg	1	4/1/2004
Lead	290	1.0		mg/Kg	1	4/1/2004
Molybdenum	1.2	1.0		mg/Kg	1	4/1/2004
Nickel	13	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	21	1.0		mg/Kg	1	4/1/2004
Zinc	110	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067942
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067942-001A	710-121-S	5.1	mg/L	R37198	0.25	1	3/19/2004	4/16/2004
067942-002A	710-121-0.3	0.45	mg/L	R37198	0.25	1	3/19/2004	4/16/2004
067942-005A	710-122-S	0.77	mg/L	R37198	0.25	1	3/19/2004	4/16/2004
067942-009A	710-123-S	0.61	mg/L	R37198	0.25	1	3/19/2004	4/16/2004
067942-012A	710-124-S	0.39	mg/L	R37198	0.25	1	3/19/2004	4/16/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *24-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17468A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322A**
Client ID: **ZZZZZ** Batch ID: **17468** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538804**

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

Sample ID **MB-17468B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322A**
Client ID: **ZZZZZ** Batch ID: **17468** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538818**

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

Sample ID **MB-17469A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538832**

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

Sample ID **MB-17469B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538846**

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

Sample ID **LCS-17468** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322A**
Client ID: **ZZZZZ** Batch ID: **17468** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538805**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	256.6	5.0	250	0	103	80	120	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17469	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322B
Client ID: ZZZZZ	Batch ID: 17469	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538833

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.5	5.0	250	0	103	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067941-010AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: ZZZZZ	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538817

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.5	5.0	250	2.274	77.7	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067942-004AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322A
Client ID: 710-121-0.9	Batch ID: 17468	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538830

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203.3	5.0	250	8.702	77.8	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067942-014AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322B
Client ID: 710-124-0.6	Batch ID: 17469	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538845

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.5	5.0	250	6.096	82.2	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067943-009AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322B
Client ID: ZZZZZ	Batch ID: 17469	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 538858

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	720.9	5.0	250	428.4	117	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067943-009AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	576.3	5.0	250	428.4	59.1	47	125	720.9	22.3	20	R

Sample ID **067941-010ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322A**
Client ID: **ZZZZZ** Batch ID: **17468** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538816**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.274	0	20	

Sample ID **067942-004ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322A**
Client ID: **710-121-0.9** Batch ID: **17468** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538829**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.425	5.0	0	0	0	0	0	8.702	3.24	20	

Sample ID **067942-014ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **710-124-0.6** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.131	5.0	0	0	0	0	0	6.096	17.2	20	

Sample ID **067943-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	413.3	5.0	0	0	0	0	0	428.4	3.59	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067943-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322D**
Client ID: **ZZZZZ** Batch ID: **R36313** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.57	0.10	0	0	0	0	0	8.61	0.466	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *02-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17598** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545066**

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

Sample ID **MB-17598A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545067**

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

Sample ID **MB-17958B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545082**

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

Sample ID **LCS-17598** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.198	0.25	5	0	104	80	120	0	0		

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	35.78	1.2	5	31.56	84.3	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067944-015AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.245	0.25	5	0.4136	96.6	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.01	1.2	0	0	0	0	0	31.56	1.40	20	

Sample ID **067944-015ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.4136	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17626A	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	3/30/2004	Run ID:	AA2_040331A
Client ID:	ZZZZZ	Batch ID:	17626	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	3/31/2004	SeqNo:	545034

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID	MB-17600ATCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:		Run ID:	AA2_040331A
Client ID:	ZZZZZ	Batch ID:	17626	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	3/31/2004	SeqNo:	545035

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

Sample ID	MB-17626B	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	3/30/2004	Run ID:	AA2_040331A
Client ID:	ZZZZZ	Batch ID:	17626	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	3/31/2004	SeqNo:	545049

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID	MB-17600BTCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:		Run ID:	AA2_040331A
Client ID:	ZZZZZ	Batch ID:	17626	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	3/31/2004	SeqNo:	545050

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

Sample ID	LCS-17626	SampType:	LCS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	3/30/2004	Run ID:	AA2_040331A
Client ID:	ZZZZZ	Batch ID:	17626	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	3/31/2004	SeqNo:	545036

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9836	0.25	1	0	98.4	80	120	0	0		

Qualifiers:
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H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.499	0.25	2.5	0.971	101	70	130	0	0		

Sample ID **067943-010AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.478	0.25	2.5	0.2587	88.8	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.078	0.25	0	0	0	0	0	0.971	10.4	20	

Sample ID **067943-010ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2707	0.25	0	0	0	0	0	0.2587	4.53	20	

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Advanced Technology Laboratories

Date: *02-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17608** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543308**

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

Sample ID **MB-17608** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									

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CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17608** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47	2.0	50	0	94	80	120	0	0		
Arsenic	47.5	1.0	50	0	95	80	120	0	0		
Barium	54.5	1.0	50	0	109	80	120	0	0		
Beryllium	47.5	1.0	50	0	95	80	120	0	0		
Cadmium	48.5	1.0	50	0	97	80	120	0	0		
Chromium	49.5	1.0	50	0	99	80	120	0	0		
Cobalt	47	1.0	50	0	94	80	120	0	0		
Copper	53.5	2.0	50	0	107	80	120	0	0		
Lead	47	1.0	50	0	94	80	120	0	0		
Molybdenum	47.5	1.0	50	0	95	80	120	0	0		
Nickel	47.5	1.0	50	0	95	80	120	0	0		
Selenium	46	1.0	50	0	92	80	120	0	0		
Silver	47	1.0	50	0	94	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		
Vanadium	46.5	1.0	50	0	93	80	120	0	0		
Zinc	47.5	1.0	50	0	95	80	120	0	0		

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Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.14	2.0	50	0	90.3	80	120	0	0		
Arsenic	46.47	1.0	50	0	92.9	80	120	0	0		
Barium	51.11	1.0	50	0	102	80	120	0	0		
Beryllium	45.74	1.0	50	0	91.5	80	120	0	0		
Cadmium	48.49	1.0	50	0	97	80	120	0	0		
Chromium	49.91	1.0	50	0	99.8	80	120	0	0		
Cobalt	45.62	1.0	50	0	91.2	80	120	0	0		
Copper	50.09	2.0	50	0	100	80	120	0	0		
Lead	44.67	1.0	50	0	89.3	80	120	0	0		
Molybdenum	47.14	1.0	50	0	94.3	80	120	0	0		
Nickel	46.97	1.0	50	0	93.9	80	120	0	0		
Selenium	45.66	1.0	50	0	91.3	80	120	0	0		
Silver	45.47	1.0	50	0	90.9	80	120	0	0		
Thallium	45.24	1.0	50	0	90.5	80	120	0	0		
Vanadium	48.3	1.0	50	0	96.6	80	120	0	0		
Zinc	45.54	1.0	50	0	91.1	80	120	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85	2.0	125	0	68	23	118	0	0		
Arsenic	119.5	1.0	125	7.5	89.6	64	111	0	0		
Barium	238.5	1.0	125	110.5	102	36	146	0	0		
Beryllium	114.5	1.0	125	0	91.6	50	120	0	0		
Cadmium	105.5	1.0	125	0	84.4	62	107	0	0		
Chromium	133	1.0	125	11	97.6	63	119	0	0		
Cobalt	117	1.0	125	5.5	89.2	63	111	0	0		
Copper	188.5	2.0	125	35	123	58	136	0	0		
Lead	315.5	1.0	125	290.5	20	47	125	0	0		S

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	112.5	1.0	125	2	88.4	63	116	0	0		
Nickel	123	1.0	125	12	88.8	57	116	0	0		
Selenium	108	1.0	125	0	86.4	47	118	0	0		
Silver	122	1.0	125	0	97.6	48	125	0	0		
Thallium	114.5	1.0	125	0	91.6	49	116	0	0		
Vanadium	131	1.0	125	19	89.6	65	122	0	0		
Zinc	223	1.0	125	131	73.6	36	140	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.7	1.0	125	0	61.4	23	118	0	0		
Arsenic	38.68	1.0	125	0	30.9	64	111	0	0		S
Barium	184.3	1.0	125	92.77	73.2	36	146	0	0		
Beryllium	105.4	1.0	125	0	84.3	50	120	0	0		
Cadmium	95.1	1.0	125	0.7745	75.5	62	107	0	0		
Chromium	117.8	1.0	125	10.83	85.6	63	119	0	0		
Cobalt	102.4	1.0	125	4.952	77.9	63	111	0	0		
Copper	151.9	1.0	125	28.13	99	58	136	0	0		
Lead	266.2	1.0	125	256.5	7.79	47	125	0	0		S
Molybdenum	105.2	1.0	125	2.028	82.6	63	116	0	0		
Nickel	105.2	1.0	125	11.16	75.2	57	116	0	0		
Selenium	96.4	1.0	125	0	77.1	47	118	0	0		
Silver	101.6	1.0	125	0	81.2	48	125	0	0		
Thallium	101.8	1.0	125	0	81.4	49	116	0	0		
Vanadium	123.6	1.0	125	18.66	84	65	122	0	0		
Zinc	189.7	1.0	125	118.6	56.9	36	140	0	0		

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CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.5	2.0	125	0	71.6	23	118	85	5.16	20	
Arsenic	117.5	1.0	125	7.5	88	64	111	119.5	1.69	20	
Barium	221	1.0	125	110.5	88.4	36	146	238.5	7.62	20	
Beryllium	112.5	1.0	125	0	90	50	120	114.5	1.76	20	
Cadmium	104	1.0	125	0	83.2	62	107	105.5	1.43	20	
Chromium	125	1.0	125	11	91.2	63	119	133	6.20	20	
Cobalt	115.5	1.0	125	5.5	88	63	111	117	1.29	20	
Copper	158	2.0	125	35	98.4	58	136	188.5	17.6	20	
Lead	304	1.0	125	290.5	10.8	47	125	315.5	3.71	20	S
Molybdenum	112	1.0	125	2	88	63	116	112.5	0.445	20	
Nickel	123.5	1.0	125	12	89.2	57	116	123	0.406	20	
Selenium	107.5	1.0	125	0	86	47	118	108	0.464	20	
Silver	118.5	1.0	125	0	94.8	48	125	122	2.91	20	
Thallium	112.5	1.0	125	0	90	49	116	114.5	1.76	20	
Vanadium	126	1.0	125	19	85.6	65	122	131	3.89	20	
Zinc	236.5	1.0	125	131	84.4	36	140	223	5.88	20	

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.42	1.0	125	0	66.7	23	118	76.7	8.39	20	
Arsenic	51.1	1.0	125	0	40.9	64	111	38.68	27.7	20	SR
Barium	175	1.0	125	92.77	65.7	36	146	184.3	5.22	20	
Beryllium	104.1	1.0	125	0	83.2	50	120	105.4	1.28	20	
Cadmium	96.31	1.0	125	0.7745	76.4	62	107	95.1	1.27	20	
Chromium	112.1	1.0	125	10.83	81.1	63	119	117.8	4.92	20	
Cobalt	103.9	1.0	125	4.952	79.2	63	111	102.4	1.49	20	
Copper	131.4	1.0	125	28.13	82.6	58	136	151.9	14.5	20	
Lead	265.4	1.0	125	256.5	7.11	47	125	266.2	0.318	20	S

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CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	107.6	1.0	125	2.028	84.4	63	116	105.2	2.20	20	
Nickel	107.9	1.0	125	11.16	77.4	57	116	105.2	2.48	20	
Selenium	97.6	1.0	125	0	78.1	47	118	96.4	1.24	20	
Silver	101.1	1.0	125	0	80.9	48	125	101.6	0.440	20	
Thallium	103.2	1.0	125	0	82.6	49	116	101.8	1.46	20	
Vanadium	121.2	1.0	125	18.66	82	65	122	123.6	1.97	20	
Zinc	211.8	1.0	125	118.6	74.6	36	140	189.7	11.0	20	

Sample ID **067944-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	90.02	1.0	0	0	0	0	0	92.77	3.01	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.7745	0	20	
Chromium	10.9	1.0	0	0	0	0	0	10.83	0.655	20	
Cobalt	4.549	1.0	0	0	0	0	0	4.952	8.47	20	
Copper	44.63	1.0	0	0	0	0	0	28.13	45.4	20	R
Lead	243.3	1.0	0	0	0	0	0	256.5	5.27	20	
Molybdenum	1.921	1.0	0	0	0	0	0	2.028	5.40	20	
Nickel	9.817	1.0	0	0	0	0	0	11.16	12.8	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	16.16	1.0	0	0	0	0	0	18.66	14.4	20	
Zinc	119.9	1.0	0	0	0	0	0	118.6	1.15	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17569	MBLK	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543576

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17569	LCS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.177	0.10	2.08	0	105	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMS	MS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.96	0.10	0.83	0.05628	109	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMSD	MSD	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3057	0.10	0.83	0.05628	30.1	62	146	0.96	103	30	SR

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006ADUP	DUP	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.05628	0	30	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17730	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416G
Client ID:	ZZZZZ	Batch ID:	R37198	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553730

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

Sample ID	MB-17730A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416G
Client ID:	ZZZZZ	Batch ID:	R37198	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553733

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

Sample ID	LCS-17730	SampType:	lcs	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416G
Client ID:	ZZZZZ	Batch ID:	R37198	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553735

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.188	0.25	5	0	104	80	120	0	0		

Sample ID	067942-012AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416G
Client ID:	710-124-S	Batch ID:	R37198	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553745

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.654	0.25	5	0.3881	105	70	130	0	0		

Sample ID	067942-012AMSD	SampType:	MSD	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416G
Client ID:	710-124-S	Batch ID:	R37198	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.477	0.25	5	0.3881	102	70	130	5.654	3.17	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067942
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067942-012ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416G**
Client ID: **710-124-S** Batch ID: **R37198** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.4939	0.25	0	0	0	0	0	0.3881	24.0	20	R

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP #4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0617942-001	710-121-5		3/19/04	900	soil	1	6
-002	710-121-0.3			904			
-003	710-121-0.6			906			
-004	710-121-0.9			911			
-005	710-122-3			913			
-006	710-122-0.3			915			
-007	710-122-0.6			918			
-008	710-122-0.9			922			
-009	710-123-5			905			
-010	710-123-0.3			910			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0607942-011	710-123-0.6		3/9/04	915	soil	1	X
-012	710-128-5			900			
-013	710-124-0.3			802			
-014	710-124-0.6			904			
-015	710-124-0.9			907			
	~~710-~~						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/16/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 24, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067943

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067943
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067943-001A	710-125-S	450	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-002A	710-125-0.3	14	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-003A	710-125-0.6	14	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-004A	710-125-1.5	ND	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-005A	710-126-S	310	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-006A	710-126-0.3	ND	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-007A	710-126-0.6	ND	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-008A	710-126-1.5	ND	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-009A	710-127-S	430	mg/Kg	17469	5	1	3/19/2004	3/22/2004
067943-010A	710-127-0.3	110	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067943-011A	710-127-0.6	100	mg/Kg	17470	5	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067943
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067943-012A	710-127-1.5	ND	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067943-013A	710-128-S	27	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067943-014A	710-128-0.3	6.2	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067943-015A	710-128-0.6	5.3	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067943-016A	710-128-1.5	65	mg/Kg	17470	5	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067943
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067943-004A	710-125-1.5	8.68	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067943-008A	710-126-1.5	8.61	pH Units	R36313	0.1	1	3/19/2004	3/22/2004
067943-012A	710-127-1.5	7.59	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067943-016A	710-128-1.5	8.15	pH Units	R36314	0.1	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067943
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067943-001A	710-125-S	32	mg/L	R36826	1.2	5	3/19/2004	4/5/2004
067943-005A	710-126-S	32	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067943-009A	710-127-S	32	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067943-010A	710-127-0.3	11	mg/L	R36694	0.5	2	3/19/2004	3/30/2004
067943-011A	710-127-0.6	10	mg/L	R36694	0.5	2	3/19/2004	3/30/2004
067943-016A	710-128-1.5	1.1	mg/L	R36694	0.25	1	3/19/2004	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067943
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067943-001A	710-125-S	1.5	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067943-005A	710-126-S	0.97	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067943-009A	710-127-S	1.5	mg/L	17626	0.25	1	3/19/2004	3/31/2004
067943-010A	710-127-0.3	0.26	mg/L	17626	0.25	1	3/19/2004	3/31/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-125-S
Lab Order:	067943		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067943-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	98	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	1.8	1.0		mg/Kg	1	4/1/2004
Chromium	21	1.0		mg/Kg	1	4/1/2004
Cobalt	5.1	1.0		mg/Kg	1	4/1/2004
Copper	70	1.0		mg/Kg	1	4/1/2004
Lead	500	1.0		mg/Kg	1	4/1/2004
Molybdenum	3.4	1.0		mg/Kg	1	4/1/2004
Nickel	19	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	23	1.0		mg/Kg	1	4/1/2004
Zinc	270	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-127-S
Lab Order:	067943		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067943-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	100	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	13	1.0		mg/Kg	1	4/1/2004
Cobalt	4.2	1.0		mg/Kg	1	4/1/2004
Copper	18	1.0		mg/Kg	1	4/1/2004
Lead	410	1.0		mg/Kg	1	4/1/2004
Molybdenum	1.1	1.0		mg/Kg	1	4/1/2004
Nickel	9.3	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	20	1.0		mg/Kg	1	4/1/2004
Zinc	75	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067943
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067943-001A	710-125-S	0.53	mg/L	R37149	0.25	1	3/19/2004	4/14/2004
067943-005A	710-126-S	ND	mg/L	R37149	0.25	1	3/19/2004	4/14/2004
067943-009A	710-127-S	0.35	mg/L	R37149	0.25	1	3/19/2004	4/14/2004
067943-010A	710-127-0.3	ND	mg/L	R37149	0.25	1	3/19/2004	4/14/2004
067943-011A	710-127-0.6	ND	mg/L	R37149	0.25	1	3/19/2004	4/14/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *24-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17469A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538832**

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

Sample ID **MB-17469B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538846**

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

Sample ID **MB-17470A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539127**

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

Sample ID **MB-17470B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539141**

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

Sample ID **LCS-17469** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	258.5	5.0	250	0	103	80	120	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17470** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.8	5.0	250	0	101	80	120	0	0		

Sample ID **067942-014AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	211.5	5.0	250	6.096	82.2	47	125	0	0		

Sample ID **067943-009AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **710-127-S** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	720.9	5.0	250	428.4	117	47	125	0	0		

Sample ID **067944-003AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203.5	5.0	250	4.251	79.7	47	125	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	428.1	5.0	250	381	18.9	47	125	0	0		S

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067943-009AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **710-127-S** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	576.3	5.0	250	428.4	59.1	47	125	720.9	22.3	20	R

Sample ID **067942-014ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **ZZZZZ** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.131	5.0	0	0	0	0	0	6.096	17.2	20	

Sample ID **067943-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322B**
Client ID: **710-127-S** Batch ID: **17469** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **538857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	413.3	5.0	0	0	0	0	0	428.4	3.59	20	

Sample ID **067944-003ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.251	0	20	

Sample ID **067944-013ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539152**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	294.6	5.0	0	0	0	0	0	381	25.6	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067943-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322D**
Client ID: **710-126-1.5** Batch ID: **R36313** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.57	0.10	0	0	0	0	0	8.61	0.466	20	

Sample ID **067945-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322E**
Client ID: **ZZZZZ** Batch ID: **R36314** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.52	0.10	0	0	0	0	0	7.59	0.927	20	

Qualifiers:
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Calculations are based on raw values
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H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17598** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545066**

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

Sample ID **MB-17598A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545067**

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

Sample ID **MB-17958B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545082**

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

Sample ID **MB-17641** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547402**

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

Sample ID **MB-17641A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547403**

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

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17641B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547416**

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

Sample ID **LCS-17598** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.198	0.25	5	0	104	80	120	0	0		

Sample ID **LCS-17641** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.492	0.25	5	0	89.8	80	120	0	0		

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **710-126-S** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	35.78	1.2	5	31.56	84.3	70	130	0	0		

Sample ID **067944-015AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.245	0.25	5	0.4136	96.6	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067955-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.15	1.2	5	23.71	109	70	130	0	0		

Sample ID **067960-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.484	0.25	5	0.09621	87.8	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **710-126-S** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.01	1.2	0	0	0	0	0	31.56	1.40	20	

Sample ID **067944-015ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.4136	0	20	

Sample ID **067955-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	1.2	0	0	0	0	0	23.71	14.8	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067960-012ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.09621	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17626A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545034**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17600ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545035**

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

Sample ID **MB-17626B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0		

Sample ID **MB-17600BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.07269	0.25									J

Sample ID **LCS-17626** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **ZZZZZ** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9836	0.25	1	0	98.4	80	120	0	0		

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Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **710-126-S** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.499	0.25	2.5	0.971	101	70	130	0	0		

Sample ID **067943-010AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **710-127-0.3** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.478	0.25	2.5	0.2587	88.8	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **710-126-S** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.078	0.25	0	0	0	0	0	0.971	10.4	20	

Sample ID **067943-010ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **3/30/2004** Run ID: **AA2_040331A**
Client ID: **710-127-0.3** Batch ID: **17626** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **3/31/2004** SeqNo: **545053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2707	0.25	0	0	0	0	0	0.2587	4.53	20	

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17608	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP2_040330A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	3/30/2004	SeqNo:	543308

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

Sample ID	MB-17608	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040401A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/1/2004	SeqNo:	544867

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17608	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040401A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/1/2004	SeqNo:	544867

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID	LCS-17608	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP2_040330A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	3/30/2004	SeqNo:	543309

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47	2.0	50	0	94	80	120	0	0		
Arsenic	47.5	1.0	50	0	95	80	120	0	0		
Barium	54.5	1.0	50	0	109	80	120	0	0		
Beryllium	47.5	1.0	50	0	95	80	120	0	0		
Cadmium	48.5	1.0	50	0	97	80	120	0	0		
Chromium	49.5	1.0	50	0	99	80	120	0	0		
Cobalt	47	1.0	50	0	94	80	120	0	0		
Copper	53.5	2.0	50	0	107	80	120	0	0		
Lead	47	1.0	50	0	94	80	120	0	0		
Molybdenum	47.5	1.0	50	0	95	80	120	0	0		
Nickel	47.5	1.0	50	0	95	80	120	0	0		
Selenium	46	1.0	50	0	92	80	120	0	0		
Silver	47	1.0	50	0	94	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		
Vanadium	46.5	1.0	50	0	93	80	120	0	0		
Zinc	47.5	1.0	50	0	95	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.14	2.0	50	0	90.3	80	120	0	0		
Arsenic	46.47	1.0	50	0	92.9	80	120	0	0		
Barium	51.11	1.0	50	0	102	80	120	0	0		
Beryllium	45.74	1.0	50	0	91.5	80	120	0	0		
Cadmium	48.49	1.0	50	0	97	80	120	0	0		
Chromium	49.91	1.0	50	0	99.8	80	120	0	0		
Cobalt	45.62	1.0	50	0	91.2	80	120	0	0		
Copper	50.09	2.0	50	0	100	80	120	0	0		
Lead	44.67	1.0	50	0	89.3	80	120	0	0		
Molybdenum	47.14	1.0	50	0	94.3	80	120	0	0		
Nickel	46.97	1.0	50	0	93.9	80	120	0	0		
Selenium	45.66	1.0	50	0	91.3	80	120	0	0		
Silver	45.47	1.0	50	0	90.9	80	120	0	0		
Thallium	45.24	1.0	50	0	90.5	80	120	0	0		
Vanadium	48.3	1.0	50	0	96.6	80	120	0	0		
Zinc	45.54	1.0	50	0	91.1	80	120	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85	2.0	125	0	68	23	118	0	0		
Arsenic	119.5	1.0	125	7.5	89.6	64	111	0	0		
Barium	238.5	1.0	125	110.5	102	36	146	0	0		
Beryllium	114.5	1.0	125	0	91.6	50	120	0	0		
Cadmium	105.5	1.0	125	0	84.4	62	107	0	0		
Chromium	133	1.0	125	11	97.6	63	119	0	0		
Cobalt	117	1.0	125	5.5	89.2	63	111	0	0		
Copper	188.5	2.0	125	35	123	58	136	0	0		
Lead	315.5	1.0	125	290.5	20	47	125	0	0		S

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	112.5	1.0	125	2	88.4	63	116	0	0		
Nickel	123	1.0	125	12	88.8	57	116	0	0		
Selenium	108	1.0	125	0	86.4	47	118	0	0		
Silver	122	1.0	125	0	97.6	48	125	0	0		
Thallium	114.5	1.0	125	0	91.6	49	116	0	0		
Vanadium	131	1.0	125	19	89.6	65	122	0	0		
Zinc	223	1.0	125	131	73.6	36	140	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.7	1.0	125	0	61.4	23	118	0	0		
Arsenic	38.68	1.0	125	0	30.9	64	111	0	0		S
Barium	184.3	1.0	125	92.77	73.2	36	146	0	0		
Beryllium	105.4	1.0	125	0	84.3	50	120	0	0		
Cadmium	95.1	1.0	125	0.7745	75.5	62	107	0	0		
Chromium	117.8	1.0	125	10.83	85.6	63	119	0	0		
Cobalt	102.4	1.0	125	4.952	77.9	63	111	0	0		
Copper	151.9	1.0	125	28.13	99	58	136	0	0		
Lead	266.2	1.0	125	256.5	7.79	47	125	0	0		S
Molybdenum	105.2	1.0	125	2.028	82.6	63	116	0	0		
Nickel	105.2	1.0	125	11.16	75.2	57	116	0	0		
Selenium	96.4	1.0	125	0	77.1	47	118	0	0		
Silver	101.6	1.0	125	0	81.2	48	125	0	0		
Thallium	101.8	1.0	125	0	81.4	49	116	0	0		
Vanadium	123.6	1.0	125	18.66	84	65	122	0	0		
Zinc	189.7	1.0	125	118.6	56.9	36	140	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.5	2.0	125	0	71.6	23	118	85	5.16	20	
Arsenic	117.5	1.0	125	7.5	88	64	111	119.5	1.69	20	
Barium	221	1.0	125	110.5	88.4	36	146	238.5	7.62	20	
Beryllium	112.5	1.0	125	0	90	50	120	114.5	1.76	20	
Cadmium	104	1.0	125	0	83.2	62	107	105.5	1.43	20	
Chromium	125	1.0	125	11	91.2	63	119	133	6.20	20	
Cobalt	115.5	1.0	125	5.5	88	63	111	117	1.29	20	
Copper	158	2.0	125	35	98.4	58	136	188.5	17.6	20	
Lead	304	1.0	125	290.5	10.8	47	125	315.5	3.71	20	S
Molybdenum	112	1.0	125	2	88	63	116	112.5	0.445	20	
Nickel	123.5	1.0	125	12	89.2	57	116	123	0.406	20	
Selenium	107.5	1.0	125	0	86	47	118	108	0.464	20	
Silver	118.5	1.0	125	0	94.8	48	125	122	2.91	20	
Thallium	112.5	1.0	125	0	90	49	116	114.5	1.76	20	
Vanadium	126	1.0	125	19	85.6	65	122	131	3.89	20	
Zinc	236.5	1.0	125	131	84.4	36	140	223	5.88	20	

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.42	1.0	125	0	66.7	23	118	76.7	8.39	20	
Arsenic	51.1	1.0	125	0	40.9	64	111	38.68	27.7	20	SR
Barium	175	1.0	125	92.77	65.7	36	146	184.3	5.22	20	
Beryllium	104.1	1.0	125	0	83.2	50	120	105.4	1.28	20	
Cadmium	96.31	1.0	125	0.7745	76.4	62	107	95.1	1.27	20	
Chromium	112.1	1.0	125	10.83	81.1	63	119	117.8	4.92	20	
Cobalt	103.9	1.0	125	4.952	79.2	63	111	102.4	1.49	20	
Copper	131.4	1.0	125	28.13	82.6	58	136	151.9	14.5	20	
Lead	265.4	1.0	125	256.5	7.11	47	125	266.2	0.318	20	S

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CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	107.6	1.0	125	2.028	84.4	63	116	105.2	2.20	20	
Nickel	107.9	1.0	125	11.16	77.4	57	116	105.2	2.48	20	
Selenium	97.6	1.0	125	0	78.1	47	118	96.4	1.24	20	
Silver	101.1	1.0	125	0	80.9	48	125	101.6	0.440	20	
Thallium	103.2	1.0	125	0	82.6	49	116	101.8	1.46	20	
Vanadium	121.2	1.0	125	18.66	82	65	122	123.6	1.97	20	
Zinc	211.8	1.0	125	118.6	74.6	36	140	189.7	11.0	20	

Sample ID **067944-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	90.02	1.0	0	0	0	0	0	92.77	3.01	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.7745	0	20	
Chromium	10.9	1.0	0	0	0	0	0	10.83	0.655	20	
Cobalt	4.549	1.0	0	0	0	0	0	4.952	8.47	20	
Copper	44.63	1.0	0	0	0	0	0	28.13	45.4	20	R
Lead	243.3	1.0	0	0	0	0	0	256.5	5.27	20	
Molybdenum	1.921	1.0	0	0	0	0	0	2.028	5.40	20	
Nickel	9.817	1.0	0	0	0	0	0	11.16	12.8	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	16.16	1.0	0	0	0	0	0	18.66	14.4	20	
Zinc	119.9	1.0	0	0	0	0	0	118.6	1.15	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17569	MBLK	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543576

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

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17569	LCS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.177	0.10	2.08	0	105	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMS	MS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.96	0.10	0.83	0.05628	109	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMSD	MSD	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3057	0.10	0.83	0.05628	30.1	62	146	0.96	103	30	SR

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006ADUP	DUP	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.05705	0.10	0	0	0	0	0	0.05628	0	30	J

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17812** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552754**

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

Sample ID **MB-17812A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552755**

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

Sample ID **MB-17812B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552769**

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

Sample ID **LCS-17812** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.325	0.25	5	0	107	80	120	0	0		

Sample ID **067955-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.315	0.25	5	0.2268	102	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067943
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067960-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.305	0.25	5	0.1747	103	70	130	0	0		

Sample ID **067955-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2268	0	20	

Sample ID **067960-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1747	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067942-001	710-125-S		3/19/04	907	soil		X
-002	710-125-0.3			908			
-003	710-125-0.6			910			
-004	710-125-1.5			915			
-005	710-126-S			906			
-006	710-126-0.3			907			
-007	710-126-0.6			909			
-008	710-126-1.5			914			
-009	710-127-S			905			
-010	710-127 0.3			908			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 5

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
047943-011	710-127-0.6		3/19	910	soil		X
- 012	710-127-1.5			913			
- 013	710-128-5			925			
- 014	710-128-0.3			926			
- 015	710-128-0.6			927			
- 016	710-128-1.5			932			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
NH		3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067964

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067964
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067964-001A	710-131-S	11	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067964-002A	710-131-0.3	7.7	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067964-003A	710-131-0.6	7.8	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-004A	710-131-1.5	8.9	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-005A	710-132-S	31	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-006A	710-132-0.3	31	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-007A	710-132-0.6	12	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-008A	710-132-1.5	ND	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-009A	710-133-S	27	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-010A	710-133-0.3	ND	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-011A	710-133-0.6	ND	mg/Kg	17480	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067964
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067964-012A	710-133-1.5	ND	mg/Kg	17480	5	1	3/18/2004	3/24/2004
067964-013A	710-129-S	170	mg/Kg	17480	5	1	3/19/2004	3/24/2004
067964-014A	710-129-0.3	25	mg/Kg	17480	5	1	3/19/2004	3/24/2004
067964-015A	710-129-0.6	26	mg/Kg	17480	5	1	3/19/2004	3/24/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067964
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067964-004A	710-131-1.5	7.11	pH Units	R36319	0.1	1	3/18/2004	3/23/2004
067964-008A	710-132-1.5	7.35	pH Units	R36319	0.1	1	3/18/2004	3/23/2004
067964-012A	710-133-1.5	7.26	pH Units	R36319	0.1	1	3/18/2004	3/23/2004
067964-015A	710-129-0.6	7.73	pH Units	R36319	0.1	1	3/19/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067964
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067964-013A	710-129-S	13	mg/L	R36827	0.5	2	3/19/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067964
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067964-005A	710-132-S	ND	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067964-006A	710-132-0.3	ND	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067964-009A	710-133-S	ND	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067964-013A	710-129-S	0.78	mg/L	17672	0.25	1	3/19/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-132-S
Lab Order:	067964		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067964-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401B	QC Batch: 17652			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	98	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	61	1.0		mg/Kg	1	4/1/2004
Cobalt	4.5	1.0		mg/Kg	1	4/1/2004
Copper	9.6	1.0		mg/Kg	1	4/1/2004
Lead	21	1.0		mg/Kg	1	4/1/2004
Molybdenum	ND	1.0		mg/Kg	1	4/1/2004
Nickel	5.8	1.0		mg/Kg	1	4/1/2004
Selenium	2.4	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	46	1.0		mg/Kg	1	4/1/2004
Zinc	27	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401D	QC Batch: 17669			PrepDate	4/1/2004	Analyst: **JT**
Mercury	0.15	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
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H - Sample exceeded analytical holding time
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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-129-S
Lab Order:	067964		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067964-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401B	QC Batch: 17652			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	82	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	9.7	1.0		mg/Kg	1	4/1/2004
Cobalt	3.8	1.0		mg/Kg	1	4/1/2004
Copper	18	1.0		mg/Kg	1	4/1/2004
Lead	180	1.0		mg/Kg	1	4/1/2004
Molybdenum	ND	1.0		mg/Kg	1	4/1/2004
Nickel	7.4	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	18	1.0		mg/Kg	1	4/1/2004
Zinc	52	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401D	QC Batch: 17669			PrepDate	4/1/2004	Analyst: **JT**
Mercury	0.16	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067964
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067964-013A	710-129-S	ND	mg/L	R37150	0.25	1	3/19/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17479A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539943**

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

Sample ID **MB-17479B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539957**

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

Sample ID **MB-17480A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324E**
Client ID: **ZZZZZ** Batch ID: **17480** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539976**

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

Sample ID **MB-17480B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324E**
Client ID: **ZZZZZ** Batch ID: **17480** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539990**

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

Sample ID **LCS-17479** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.5	5.0	250	0	102	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17480	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324E
Client ID: ZZZZZ	Batch ID: 17480	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539977

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	254.9	5.0	250	0	102	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067963-007AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324D
Client ID: ZZZZZ	Batch ID: 17479	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539956

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	174.3	5.0	250	2.676	68.7	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067964-002AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324D
Client ID: 710-131-0.3	Batch ID: 17479	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539969

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.5	5.0	250	7.708	76.7	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067964-012AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324E
Client ID: 710-133-1.5	Batch ID: 17480	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539989

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183.3	5.0	250	2.928	72.1	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067964-015AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324E
Client ID: 710-129-0.6	Batch ID: 17480	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539995

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	187.3	5.0	250	25.68	64.6	47	125	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067964-015AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324E**
Client ID: **710-129-0.6** Batch ID: **17480** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539996**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	187.5	5.0	250	25.68	64.7	47	125	187.3	0.104	20	

Sample ID **067963-007ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.676	0	20	

Sample ID **067964-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **710-131-0.3** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.6	5.0	0	0	0	0	0	7.708	105	20	R

Sample ID **067964-012ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324E**
Client ID: **710-133-1.5** Batch ID: **17480** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.928	0	20	

Sample ID **067964-015ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324E**
Client ID: **710-129-0.6** Batch ID: **17480** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.88	5.0	0	0	0	0	0	25.68	11.5	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067964-015ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/23/2004** Run ID: **WETCHEM_040323B**
Client ID: **710-129-0.6** Batch ID: **R36319** TestNo: **EPA 9045C** Analysis Date: **3/23/2004** SeqNo: **538790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.79	0.10	0	0	0	0	0	7.73	0.773	20	

Qualifiers:
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Date: *09-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17642** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547437**

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

Sample ID **MB-17642A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547438**

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

Sample ID **MB-17642B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547451**

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

Sample ID **LCS-17642** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.43	0.25	5	0	109	80	120	0	0		

Sample ID **067962-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.778	0.25	5	2.279	90	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **710-129-S** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.04	0.50	5	13.15	97.8	70	130	0	0		

Sample ID **067962-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.859	0.25	0	0	0	0	0	2.279	51.5	20	R

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **710-129-S** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.61	0.50	0	0	0	0	0	13.15	12.4	20	

Qualifiers:
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Date: *09-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MBLK-17672	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545860

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

Sample ID	MBLK-17672ATCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545861

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

Sample ID	MBLK-17672B	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545875

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

Sample ID	MBLK-17672BTCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545876

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

Sample ID	LCS-17672	SampType:	LCS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545862

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9387	0.25	1	0	93.9	80	120	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067964-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **710-132-S** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.612	0.25	2.5	0	104	70	130	0	0		

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **710-129-S** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.848	0.25	2.5	0.7818	123	70	130	0	0		

Sample ID **067964-013AMSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **710-129-S** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.037	0.25	2.5	0.7818	130	70	130	3.848	4.80	20	S

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **710-132-S** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **710-129-S** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7744	0.25	0	0	0	0	0	0.7818	0.951	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17652** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **ZZZZZ** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544923**

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

Sample ID **LCS-17652** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **ZZZZZ** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.73	2.0	50	0	89.5	80	120	0	0		
Arsenic	45.38	1.0	50	0	90.8	80	120	0	0		
Barium	47.7	1.0	50	0	95.4	80	120	0	0		
Beryllium	44.31	1.0	50	0	88.6	80	120	0	0		
Cadmium	43.87	1.0	50	0	87.7	80	120	0	0		
Chromium	46.83	1.0	50	0	93.7	80	120	0	0		
Cobalt	44.75	1.0	50	0	89.5	80	120	0	0		
Copper	45.74	2.0	50	0	91.5	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17652** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **ZZZZZ** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	43.84	1.0	50	0	87.7	80	120	0	0		
Molybdenum	47.38	1.0	50	0	94.8	80	120	0	0		
Nickel	42.72	1.0	50	0	85.4	80	120	0	0		
Selenium	42.48	1.0	50	0	85	80	120	0	0		
Silver	41.78	1.0	50	0	83.6	80	120	0	0		
Thallium	43.8	1.0	50	0	87.6	80	120	0	0		
Vanadium	46.45	1.0	50	0	92.9	80	120	0	0		
Zinc	42.27	1.0	50	0	84.5	80	120	0	0		

Sample ID **067964-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **710-132-S** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	60.59	1.0	125	0	48.5	23	118	0	0		
Arsenic	ND	1.0	125	0	0	64	111	0	0		S
Barium	215.8	1.0	125	98	94.2	36	146	0	0		
Beryllium	89.98	1.0	125	0	72	50	120	0	0		
Cadmium	79	1.0	125	0	63.2	62	107	0	0		
Chromium	92.7	1.0	125	61.32	25.1	63	119	0	0		S
Cobalt	80.07	1.0	125	4.515	60.4	63	111	0	0		S
Copper	102	1.0	125	9.631	73.9	58	136	0	0		
Lead	90.78	1.0	125	20.71	56.1	47	125	0	0		
Molybdenum	86.98	1.0	125	0	69.6	63	116	0	0		
Nickel	80.96	1.0	125	5.796	60.1	57	116	0	0		
Selenium	85.19	1.0	125	2.44	66.2	47	118	0	0		
Silver	91.98	1.0	125	0	73.6	48	125	0	0		
Thallium	71.58	1.0	125	0	57.3	49	116	0	0		
Vanadium	103.5	1.0	125	46.35	45.7	65	122	0	0		S
Zinc	102.6	1.0	125	27.32	60.2	36	140	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067964-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **710-132-S** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	65	1.0	125	0	52	23	118	60.59	7.03	20	
Arsenic	ND	1.0	125	0	0	64	111	0	0	20	S
Barium	248.5	1.0	125	98	120	36	146	215.8	14.1	20	
Beryllium	100.2	1.0	125	0	80.2	50	120	89.98	10.8	20	
Cadmium	85.59	1.0	125	0	68.5	62	107	79	8.00	20	
Chromium	101.1	1.0	125	61.32	31.8	63	119	92.7	8.64	20	S
Cobalt	88.02	1.0	125	4.515	66.8	63	111	80.07	9.46	20	
Copper	113.4	1.0	125	9.631	83	58	136	102	10.5	20	
Lead	97.88	1.0	125	20.71	61.7	47	125	90.78	7.53	20	
Molybdenum	94.43	1.0	125	0	75.5	63	116	86.98	8.22	20	
Nickel	88.33	1.0	125	5.796	66	57	116	80.96	8.71	20	
Selenium	95.76	1.0	125	2.44	74.7	47	118	85.19	11.7	20	
Silver	102.6	1.0	125	0	82.1	48	125	91.98	10.9	20	
Thallium	76.31	1.0	125	0	61	49	116	71.58	6.39	20	
Vanadium	114.3	1.0	125	46.35	54.3	65	122	103.5	9.91	20	S
Zinc	110.3	1.0	125	27.32	66.4	36	140	102.6	7.24	20	

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **710-132-S** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	153	1.0	0	0	0	0	0	98	43.8	20	R
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	14.02	1.0	0	0	0	0	0	61.32	126	20	R
Cobalt	3.084	1.0	0	0	0	0	0	4.515	37.6	20	R
Copper	6.931	1.0	0	0	0	0	0	9.631	32.6	20	R
Lead	9.018	1.0	0	0	0	0	0	20.71	78.7	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040401B**
Client ID: **710-132-S** Batch ID: **17652** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0	0	0	0	0	0	0	0	20	
Nickel	4.66	1.0	0	0	0	0	0	5.796	21.7	20	R
Selenium	ND	1.0	0	0	0	0	0	2.44	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	18.86	1.0	0	0	0	0	0	46.35	84.3	20	R
Zinc	19.99	1.0	0	0	0	0	0	27.32	31.0	20	R

Qualifiers:
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DO- Surrogate dilute out
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	MB-17669	SampType:	MBLK	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545033

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

Sample ID	LCS-17669	SampType:	LCS	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	ZZZZZ	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545032

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.708	0.10	2.08	0	82.1	80	120	0	0		

Sample ID	067964-005AMS	SampType:	MS	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	710-132-S	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545022

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.772	0.10	0.83	0.1528	74.6	62	146	0	0		

Sample ID	067964-005AMSD	SampType:	MSD	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	710-132-S	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7803	0.10	0.83	0.1528	75.6	62	146	0.772	1.07	30	

Sample ID	067964-005ADUP	SampType:	DUP	TestCode:	7471_S	Units:	mg/Kg	Prep Date:	4/1/2004	Run ID:	AA1_040401D
Client ID:	710-132-S	Batch ID:	17669	TestNo:	EPA 7471A	(EPA 7471)		Analysis Date:	4/1/2004	SeqNo:	545021

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1685	0.10	0	0	0	0	0	0.1528	9.74	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17813** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552783**

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

Sample ID **MB-17813A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552784**

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

Sample ID **MB-17813B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552798**

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

Sample ID **LCS-17813** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **067962-009AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.464	0.25	5	0.2293	105	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067964
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.833	0.25	5	0.5511	106	70	130	0	0		

Sample ID **067962-009ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2293	0	20	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.5581	0.25	0	0	0	0	0	0.5511	1.27	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
13A 13/9/04 ~~063~~ 067964-001	710-131-S		3/18/04	1120	soil	1	X
-002	710-131-0.3			1125			
-003	710-131-0.6			1130			
-004	710-131-1.5			1140			
-005	710-132-S			1120			
-006	710-132-0.3			1125			
-007	710-132-0.6			1130			
-008	710-132-1.5			1140			
-009	710-133-S			1120			
-010	710-133-0.3			1125			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	~~3.5~~ 3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0409464-011	710-133-0.6		3/18/04		soil	1	X
↓ -012	710-133-1.5		↓		Soil	1	X
	710-						
	710-						
	710-						
	710-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1435
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	3/19/04	3:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 6

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
ADD TO GROUP 6

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0679644-03	710-129-5	GROUP 6	3/19/04	926	soil		X
-04	710-129-0.3		↓	928	↓		X
-05	710-129-0.6		↓	930	↓		X
	710-						
	710-						
	710-						

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067956

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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

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

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067956
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067956-001A	710-130-S	310	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-002A	710-130-0.3	23	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-003A	710-130-0.6	12	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-004A	710-130-1.5	9.0	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-005A	710-138-S	550	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-006A	710-138-0.3	19	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-007A	710-138-0.6	31	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-008A	710-138-1.5	6.3	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-009A	710-139-S	1300	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-010A	710-139-0.3	17	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-011A	710-139-0.6	21	mg/Kg	17474	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067956
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067956-012A	710-139-1.5	18	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-013A	710-140-S	490	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-014A	710-140-0.3	28	mg/Kg	17474	5	1	3/18/2004	3/24/2004
067956-015A	710-140-0.6	15	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067956-016A	710-140-1.5	8.6	mg/Kg	17475	5	1	3/18/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067956
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067956-004A	710-130-1.5	7.96	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067956-008A	710-138-1.5	7.40	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067956-012A	710-139-1.5	8.10	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067956-016A	710-140-1.5	7.72	pH Units	R36316	0.1	1	3/18/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067956
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067956-001A	710-130-S	23	mg/L	R36826	1.2	5	3/18/2004	4/5/2004
067956-005A	710-138-S	41	mg/L	R36826	2.5	10	3/18/2004	4/5/2004
067956-013A	710-140-S	49	mg/L	R36826	2.5	10	3/18/2004	4/5/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067956
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067956-001A	710-130-S	2.0	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067956-005A	710-138-S	1.2	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067956-009A	710-139-S	3.5	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067956-013A	710-140-S	0.99	mg/L	17671	0.25	1	3/18/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-138-S
Lab Order:	067956		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067956-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	93	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	16	1.0		mg/Kg	1	4/2/2004
Cobalt	5.9	1.0		mg/Kg	1	4/2/2004
Copper	49	1.0		mg/Kg	1	4/2/2004
Lead	590	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.5	1.0		mg/Kg	1	4/2/2004
Nickel	15	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	24	1.0		mg/Kg	1	4/2/2004
Zinc	170	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-139-S
Lab Order:	067956		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067956-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	110	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	19	1.0		mg/Kg	1	4/2/2004
Cobalt	5.1	1.0		mg/Kg	1	4/2/2004
Copper	55	1.0		mg/Kg	1	4/2/2004
Lead	1000	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.3	1.0		mg/Kg	1	4/2/2004
Nickel	16	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	20	1.0		mg/Kg	1	4/2/2004
Zinc	220	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067956
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067956-001A	710-130-S	0.38	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067956-005A	710-138-S	0.51	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067956-013A	710-140-S	0.42	mg/L	R37149	0.25	1	3/18/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17474A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324F
Client ID:	ZZZZZ	Batch ID:	17474	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	540280

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

Sample ID	MB-17474B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324F
Client ID:	ZZZZZ	Batch ID:	17474	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	540295

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17475A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	ZZZZZ	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17475B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	ZZZZZ	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540535

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17474	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324F
Client ID:	ZZZZZ	Batch ID:	17474	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	540282

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	251	5.0	250	0	100	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17475** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.7	5.0	250	0	101	80	120	0	0		

Sample ID **067956-004AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **710-130-1.5** Batch ID: **17474** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540294**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	202.2	5.0	250	9.01	77.3	47	125	0	0		

Sample ID **067956-014AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **710-140-0.3** Batch ID: **17474** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	248.6	5.0	250	27.73	88.3	47	125	0	0		

Sample ID **067958-008AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.9	5.0	250	2.559	74.9	47	125	0	0		

Sample ID **067959-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B (EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	198.4	5.0	250	14.82	73.5	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067956-014AMSD** SampType: **MSD** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **710-140-0.3** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	226.3	5.0	250	27.73	79.4	47	125	248.6	9.36	20	

Sample ID **067956-004ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **710-130-1.5** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	9.01	0	20	

Sample ID **067956-014ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324F**
Client ID: **710-140-0.3** Batch ID: **17474** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **540306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	121	5.0	0	0	0	0	0	27.73	125	20	R

Sample ID **067958-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.559	0	20	

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	40.7	5.0	0	0	0	0	0	14.82	93.3	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067958-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322G**
Client ID: **ZZZZZ** Batch ID: **R36316** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.08	0.10	0	0	0	0	0	8.12	0.494	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17641** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17641A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17641B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17641** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.492	0.25	5	0	89.8	80	120	0	0		

Sample ID **067955-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.15	1.2	5	23.71	109	70	130	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067960-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.484	0.25	5	0.09621	87.8	70	130	0	0		

Sample ID **067955-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	1.2	0	0	0	0	0	23.71	14.8	20	

Sample ID **067960-012ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.09621	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17671** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545846**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17671** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.027	0.25	1	0	103	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.702	0.25	2.5	0	108	70	130	0	0		

Sample ID **067961-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.594	0.25	2.5	0.5193	123	70	130	0	0		

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067961-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2625	0.25	0	0	0	0	0	0.5193	65.7	20	R

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17650** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	42.58	2.0	50	0	85.2	80	120	0	0		
Arsenic	43.67	1.0	50	0	87.3	80	120	0	0		
Barium	48.19	1.0	50	0	96.4	80	120	0	0		
Beryllium	43.53	1.0	50	0	87.1	80	120	0	0		
Cadmium	43.38	1.0	50	0	86.8	80	120	0	0		
Chromium	46.03	1.0	50	0	92.1	80	120	0	0		
Cobalt	43.11	1.0	50	0	86.2	80	120	0	0		
Copper	44.87	2.0	50	0	89.7	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.72	1.0	50	0	85.4	80	120	0	0		
Molybdenum	44.77	1.0	50	0	89.5	80	120	0	0		
Nickel	43.06	1.0	50	0	86.1	80	120	0	0		
Selenium	42.81	1.0	50	0	85.6	80	120	0	0		
Silver	42.86	1.0	50	0	85.7	80	120	0	0		
Thallium	41.9	1.0	50	0	83.8	80	120	0	0		
Vanadium	45.39	1.0	50	0	90.8	80	120	0	0		
Zinc	41.87	1.0	50	0	83.7	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.1	1.0	125	0	54.5	23	118	0	0		
Arsenic	ND	1.0	125	0	0	64	111	0	0		S
Barium	184.8	1.0	125	87.01	78.3	36	146	0	0		
Beryllium	100.4	1.0	125	0	80.3	50	120	0	0		
Cadmium	93.24	1.0	125	0	74.6	62	107	0	0		
Chromium	112.4	1.0	125	13.35	79.2	63	119	0	0		
Cobalt	99.55	1.0	125	5.714	75.1	63	111	0	0		
Copper	118	1.0	125	11.37	85.3	58	136	0	0		
Lead	127.2	1.0	125	40.37	69.5	47	125	0	0		
Molybdenum	98.72	1.0	125	0.8657	78.3	63	116	0	0		
Nickel	103.2	1.0	125	11.66	73.2	57	116	0	0		
Selenium	92.89	1.0	125	0	74.3	47	118	0	0		
Silver	100.8	1.0	125	0	80.6	48	125	0	0		
Thallium	84.34	1.0	125	0	67.5	49	116	0	0		
Vanadium	134.3	1.0	125	30.27	83.2	65	122	0	0		
Zinc	148.8	1.0	125	60.06	71	36	140	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	70.22	1.0	125	0	56.2	23	118	68.1	3.07	20	
Arsenic	ND	1.0	125	0	0	64	111	0	0	20	S
Barium	188.1	1.0	125	87.01	80.8	36	146	184.8	1.73	20	
Beryllium	100.8	1.0	125	0	80.6	50	120	100.4	0.335	20	
Cadmium	93.48	1.0	125	0	74.8	62	107	93.24	0.257	20	
Chromium	114.2	1.0	125	13.35	80.7	63	119	112.4	1.62	20	
Cobalt	101	1.0	125	5.714	76.3	63	111	99.55	1.49	20	
Copper	119.5	1.0	125	11.37	86.5	58	136	118	1.27	20	
Lead	136.6	1.0	125	40.37	77	47	125	127.2	7.12	20	
Molybdenum	100.5	1.0	125	0.8657	79.7	63	116	98.72	1.80	20	
Nickel	105.3	1.0	125	11.66	74.9	57	116	103.2	1.99	20	
Selenium	94.49	1.0	125	0	75.6	47	118	92.89	1.71	20	
Silver	100.7	1.0	125	0	80.5	48	125	100.8	0.123	20	
Thallium	98.61	1.0	125	0	78.9	49	116	84.34	15.6	20	
Vanadium	137	1.0	125	30.27	85.4	65	122	134.3	2.00	20	
Zinc	155.5	1.0	125	60.06	76.3	36	140	148.8	4.39	20	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	101.8	1.0	0	0	0	0	0	87.01	15.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	16.65	1.0	0	0	0	0	0	13.35	22.1	20	R
Cobalt	7.005	1.0	0	0	0	0	0	5.714	20.3	20	R
Copper	13.14	1.0	0	0	0	0	0	11.37	14.5	20	
Lead	42.63	1.0	0	0	0	0	0	40.37	5.46	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	067958-013ADUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040402C
Client ID:	ZZZZZ	Batch ID:	17650	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545557

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0	0	0	0	0	0	0.8657	0	20	
Nickel	14.44	1.0	0	0	0	0	0	11.66	21.3	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.7	1.0	0	0	0	0	0	30.27	16.5	20	
Zinc	64.78	1.0	0	0	0	0	0	60.06	7.58	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17644	MBLK	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545004

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17644	LCS	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545003

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.796	0.10	2.08	0	86.3	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013AMS	MS	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545001

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7208	0.10	0.83	0	86.8	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013AMSD	MSD	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545002

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6942	0.10	0.83	0	83.6	62	146	0.7208	3.76	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-013ADUP	DUP	7471_S	mg/Kg	4/1/2004	AA1_040401B
Client ID: ZZZZZ	Batch ID: 17644	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545000

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17812** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17812A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17812B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17812** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.325	0.25	5	0	107	80	120	0	0		

Sample ID **067955-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.315	0.25	5	0.2268	102	70	130	0	0		

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067956
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067960-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.305	0.25	5	0.1747	103	70	130	0	0		

Sample ID **067955-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2268	0	20	

Sample ID **067960-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1747	0	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0607956-001	710-136-5		3/18/04	209	soil	1	X
-002	710-130-0.3			212			
-003	710-130-0.6			214			
-004	710-130-1.5			220			
-005	710-138-5			205			
-006	710-138-0.3			212			
-007	710-138-0.6			215			
-008	710-138-1.5			220			
-009	710-139-5			228			
-010	710-139-0.3			233			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 7

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067956-011	710-139-0.6		3/18/04	236	soil	1	X
-012	710-139-1.5			241			
-013	710-140-3			207			
-014	710-140-0.3			210			
-015	710-140-0.6			214			
-016	710-140-1.5			224			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067958

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067958
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067958-001A	710-134-S	6.3	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-002A	710-134-0.3	7.4	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-003A	710-134-0.6	12	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-004A	710-134-1.5	27	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-005A	710-135-S	15	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-006A	710-135-0.3	5.2	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-007A	710-135-0.6	ND	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-008A	710-135-1.5	ND	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-009A	710-136-S	67	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-010A	710-136-0.3	30	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-011A	710-136-0.6	ND	mg/Kg	17475	5	1	3/18/2004	3/25/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067958
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067958-012A	710-136-1.5	ND	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-013A	710-137-S	48	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-014A	710-137-0.3	9.1	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-015A	710-137-0.6	7.9	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067958-016A	710-137-1.5	7.4	mg/Kg	17475	5	1	3/18/2004	3/25/2004

Qualifiers:

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DO - Surrogate Diluted Out
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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067958
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067958-004A	710-134-1.5	7.78	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067958-008A	710-135-1.5	8.09	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067958-012A	710-136-1.5	8.20	pH Units	R36316	0.1	1	3/18/2004	3/22/2004
067958-016A	710-137-1.5	8.12	pH Units	R36316	0.1	1	3/18/2004	3/22/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067958
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067958-009A	710-136-S	4.8	mg/L	R36826	0.25	1	3/18/2004	4/5/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067958
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067958-004A	710-134-1.5	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067958-009A	710-136-S	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067958-010A	710-136-0.3	ND	mg/L	17767	0.25	1	3/18/2004	4/14/2004
067958-013A	710-137-S	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004

Qualifiers:

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Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-136-S
Lab Order:	067958		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067958-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	110	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	15	1.0		mg/Kg	1	4/2/2004
Cobalt	6.3	1.0		mg/Kg	1	4/2/2004
Copper	17	1.0		mg/Kg	1	4/2/2004
Lead	100	1.0		mg/Kg	1	4/2/2004
Molybdenum	1.3	1.0		mg/Kg	1	4/2/2004
Nickel	13	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	32	1.0		mg/Kg	1	4/2/2004
Zinc	140	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-137-S
Lab Order:	067958		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067958-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402C	QC Batch: 17650			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	87	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	13	1.0		mg/Kg	1	4/2/2004
Cobalt	5.7	1.0		mg/Kg	1	4/2/2004
Copper	11	1.0		mg/Kg	1	4/2/2004
Lead	40	1.0		mg/Kg	1	4/2/2004
Molybdenum	ND	1.0		mg/Kg	1	4/2/2004
Nickel	12	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	30	1.0		mg/Kg	1	4/2/2004
Zinc	60	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401B	QC Batch: 17644			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067958
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17475A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	ZZZZZ	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17475B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	ZZZZZ	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540535

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17475	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	ZZZZZ	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540522

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.7	5.0	250	0	101	80	120	0	0		

Sample ID	067958-008AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	710-135-1.5	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540534

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.9	5.0	250	2.559	74.9	47	125	0	0		

Sample ID	067959-002AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040325A
Client ID:	ZZZZZ	Batch ID:	17475	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/25/2004	SeqNo:	540547

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	198.4	5.0	250	14.82	73.5	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067958-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **710-135-1.5** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.559	0	20	

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	40.7	5.0	0	0	0	0	0	14.82	93.3	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067958-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322G**
Client ID: **710-137-1.5** Batch ID: **R36316** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.08	0.10	0	0	0	0	0	8.12	0.494	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *09-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17641** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17641A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17641B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17641** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.492	0.25	5	0	89.8	80	120	0	0		

Sample ID **067955-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.15	1.2	5	23.71	109	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067960-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.484	0.25	5	0.09621	87.8	70	130	0	0		

Sample ID **067955-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	1.2	0	0	0	0	0	23.71	14.8	20	

Sample ID **067960-012ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.09621	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
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Date: *09-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17650** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	42.58	2.0	50	0	85.2	80	120	0	0		
Arsenic	43.67	1.0	50	0	87.3	80	120	0	0		
Barium	48.19	1.0	50	0	96.4	80	120	0	0		
Beryllium	43.53	1.0	50	0	87.1	80	120	0	0		
Cadmium	43.38	1.0	50	0	86.8	80	120	0	0		
Chromium	46.03	1.0	50	0	92.1	80	120	0	0		
Cobalt	43.11	1.0	50	0	86.2	80	120	0	0		
Copper	44.87	2.0	50	0	89.7	80	120	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17650** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **ZZZZZ** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	42.72	1.0	50	0	85.4	80	120	0	0		
Molybdenum	44.77	1.0	50	0	89.5	80	120	0	0		
Nickel	43.06	1.0	50	0	86.1	80	120	0	0		
Selenium	42.81	1.0	50	0	85.6	80	120	0	0		
Silver	42.86	1.0	50	0	85.7	80	120	0	0		
Thallium	41.9	1.0	50	0	83.8	80	120	0	0		
Vanadium	45.39	1.0	50	0	90.8	80	120	0	0		
Zinc	41.87	1.0	50	0	83.7	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **710-137-S** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.1	1.0	125	0	54.5	23	118	0	0		
Arsenic	ND	1.0	125	0	0	64	111	0	0		S
Barium	184.8	1.0	125	87.01	78.3	36	146	0	0		
Beryllium	100.4	1.0	125	0	80.3	50	120	0	0		
Cadmium	93.24	1.0	125	0	74.6	62	107	0	0		
Chromium	112.4	1.0	125	13.35	79.2	63	119	0	0		
Cobalt	99.55	1.0	125	5.714	75.1	63	111	0	0		
Copper	118	1.0	125	11.37	85.3	58	136	0	0		
Lead	127.2	1.0	125	40.37	69.5	47	125	0	0		
Molybdenum	98.72	1.0	125	0.8657	78.3	63	116	0	0		
Nickel	103.2	1.0	125	11.66	73.2	57	116	0	0		
Selenium	92.89	1.0	125	0	74.3	47	118	0	0		
Silver	100.8	1.0	125	0	80.6	48	125	0	0		
Thallium	84.34	1.0	125	0	67.5	49	116	0	0		
Vanadium	134.3	1.0	125	30.27	83.2	65	122	0	0		
Zinc	148.8	1.0	125	60.06	71	36	140	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **710-137-S** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	70.22	1.0	125	0	56.2	23	118	68.1	3.07	20	
Arsenic	ND	1.0	125	0	0	64	111	0	0	20	S
Barium	188.1	1.0	125	87.01	80.8	36	146	184.8	1.73	20	
Beryllium	100.8	1.0	125	0	80.6	50	120	100.4	0.335	20	
Cadmium	93.48	1.0	125	0	74.8	62	107	93.24	0.257	20	
Chromium	114.2	1.0	125	13.35	80.7	63	119	112.4	1.62	20	
Cobalt	101	1.0	125	5.714	76.3	63	111	99.55	1.49	20	
Copper	119.5	1.0	125	11.37	86.5	58	136	118	1.27	20	
Lead	136.6	1.0	125	40.37	77	47	125	127.2	7.12	20	
Molybdenum	100.5	1.0	125	0.8657	79.7	63	116	98.72	1.80	20	
Nickel	105.3	1.0	125	11.66	74.9	57	116	103.2	1.99	20	
Selenium	94.49	1.0	125	0	75.6	47	118	92.89	1.71	20	
Silver	100.7	1.0	125	0	80.5	48	125	100.8	0.123	20	
Thallium	98.61	1.0	125	0	78.9	49	116	84.34	15.6	20	
Vanadium	137	1.0	125	30.27	85.4	65	122	134.3	2.00	20	
Zinc	155.5	1.0	125	60.06	76.3	36	140	148.8	4.39	20	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **710-137-S** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	101.8	1.0	0	0	0	0	0	87.01	15.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	16.65	1.0	0	0	0	0	0	13.35	22.1	20	R
Cobalt	7.005	1.0	0	0	0	0	0	5.714	20.3	20	R
Copper	13.14	1.0	0	0	0	0	0	11.37	14.5	20	
Lead	42.63	1.0	0	0	0	0	0	40.37	5.46	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402C**
Client ID: **710-137-S** Batch ID: **17650** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0	0	0	0	0	0	0.8657	0	20	
Nickel	14.44	1.0	0	0	0	0	0	11.66	21.3	20	R
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	35.7	1.0	0	0	0	0	0	30.27	16.5	20	
Zinc	64.78	1.0	0	0	0	0	0	60.06	7.58	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067958
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17644** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545004**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID **LCS-17644** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **ZZZZZ** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545003**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.796	0.10	2.08	0	86.3	80	120	0	0		

Sample ID **067958-013AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **710-137-S** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7208	0.10	0.83	0	86.8	62	146	0	0		

Sample ID **067958-013AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **710-137-S** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6942	0.10	0.83	0	83.6	62	146	0.7208	3.76	30	

Sample ID **067958-013ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401B**
Client ID: **710-137-S** Batch ID: **17644** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0	0	30	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067958
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17671** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545846**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17748A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414I**
Client ID: **ZZZZZ** Batch ID: **17767** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067958
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17767A** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414J**
Client ID: **ZZZZZ** Batch ID: **17767** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552991**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17748A TCLP** SampType: **mblk** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414J**
Client ID: **ZZZZZ** Batch ID: **17767** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552992**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17671** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.027	0.25	1	0	103	80	120	0	0		

Sample ID **LCS-17767** SampType: **lcs** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414J**
Client ID: **ZZZZZ** Batch ID: **17767** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.108	0.25	1	0	111	80	120	0	0		

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.702	0.25	2.5	0	108	70	130	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067958
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067961-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.594	0.25	2.5	0.5193	123	70	130	0	0		

Sample ID **MB-17767 MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414J**
Client ID: **ZZZZZ** Batch ID: **17767** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552996**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.411	0.25	2.5	0	96.4	70	130	0	0		

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067961-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2625	0.25	0	0	0	0	0	0.5193	65.7	20	R

Sample ID **067958-010ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2004** Run ID: **AA2_040414J**
Client ID: **710-136-0.3** Batch ID: **17767** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/14/2004** SeqNo: **552995**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1498	0	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04

PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067958-001	710-134-5		3/18/04	1213	soil	1	X
-002	710-134-0.3			1215			
-003	710-134-0.6			1220			
-004	710-134-1.5			1230			
-005	710-135-5			1212			
-006	710-135-0.3			1213			
-007	710-135-0.6			1220			
-008	710-135-1.5			1229			
-009	710-136-5			1212			
-010	710-136-0.3			1214			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 8

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
04-7958-01	710- 136-0.6		3/18/04	1220	soil	1	X
- 02	710- 136-1.5			1229			
- 03	710- 137-.5			1216			
- 04	710- 137-0.3			1218			
- 05	710- 137-0.6			1220			
- 06	710- 137-1.5			1230			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/18/04	3:00

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067959

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067959
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067959-001A	710-141-S	12	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067959-002A	710-141-0.3	15	mg/Kg	17475	5	1	3/18/2004	3/25/2004
067959-003A	710-141-0.6	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-004A	710-141-1.5	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-005A	710-142-S	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-006A	710-142-0.3	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-007A	710-142-0.6	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-008A	710-143-S	25	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-009A	710-143-0.3	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-010A	710-143-0.6	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-011A	710-144-S	13	mg/Kg	17476	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067959
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067959-012A	710-144-0.3	5.3	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-013A	710-144-0.6	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-014A	710-145-S	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-015A	710-145-0.3	5.3	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-016A	710-145-0.6	7.6	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067959-017A	710-145-1.5	ND	mg/Kg	17476	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067959
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067959-004A	710-141-1.5	7.02	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067959-008A	710-143-S	7.95	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067959-012A	710-144-0.3	7.44	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067959-016A	710-145-0.6	8.39	pH Units	R36317	0.1	1	3/18/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067959
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067959-001A	710-141-S	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067959-002A	710-141-0.3	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067959-008A	710-143-S	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067959-011A	710-144-S	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067959-016A	710-145-0.6	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-141-0.3
Lab Order:	067959		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067959-002A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	80	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	13	1.0		mg/Kg	1	4/2/2004
Cobalt	5.9	1.0		mg/Kg	1	4/2/2004
Copper	12	1.0		mg/Kg	1	4/2/2004
Lead	18	1.0		mg/Kg	1	4/3/2004
Molybdenum	ND	1.0		mg/Kg	1	4/2/2004
Nickel	9.8	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	26	1.0		mg/Kg	1	4/2/2004
Zinc	45	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-143-S
Lab Order:	067959		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067959-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	81	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	15	1.0		mg/Kg	1	4/2/2004
Cobalt	6.9	1.0		mg/Kg	1	4/2/2004
Copper	15	1.0		mg/Kg	1	4/2/2004
Lead	39	1.0		mg/Kg	1	4/3/2004
Molybdenum	ND	1.0		mg/Kg	1	4/2/2004
Nickel	12	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	29	1.0		mg/Kg	1	4/2/2004
Zinc	60	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17476A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **ZZZZZ** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **MB-17476B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **ZZZZZ** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **MB-17475A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **MB-17475B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **LCS-17476** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **ZZZZZ** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	262.3	5.0	250	0	105	80	120	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17475	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040325A
Client ID: ZZZZZ	Batch ID: 17475	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 540522

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	253.7	5.0	250	0	101	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-011AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324A
Client ID: 710-144-S	Batch ID: 17476	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539867

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183	5.0	250	12.95	68	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067960-005AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040324A
Client ID: ZZZZZ	Batch ID: 17476	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/24/2004	SeqNo: 539881

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	238.9	5.0	250	34.04	81.9	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067958-008AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040325A
Client ID: ZZZZZ	Batch ID: 17475	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 540534

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	189.9	5.0	250	2.559	74.9	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040325A
Client ID: 710-141-0.3	Batch ID: 17475	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/25/2004	SeqNo: 540547

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	198.4	5.0	250	14.82	73.5	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067959-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **710-144-S** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.026	5.0	0	0	0	0	0	12.95	59.3	20	R

Sample ID **067960-005ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **ZZZZZ** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	31.72	5.0	0	0	0	0	0	34.04	7.05	20	

Sample ID **067958-008ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **ZZZZZ** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.559	0	20	

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040325A**
Client ID: **710-141-0.3** Batch ID: **17475** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/25/2004** SeqNo: **540546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	40.7	5.0	0	0	0	0	0	14.82	93.3	20	R

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067961-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322H**
Client ID: **ZZZZZ** Batch ID: **R36317** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.94	0.10	0	0	0	0	0	8.05	1.38	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17671	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403A
Client ID:	ZZZZZ	Batch ID:	17671	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545831

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17671ATCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403A
Client ID:	ZZZZZ	Batch ID:	17671	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545832

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17671B	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403A
Client ID:	ZZZZZ	Batch ID:	17671	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545845

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17671BTCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403A
Client ID:	ZZZZZ	Batch ID:	17671	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545846

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17671	SampType:	LCS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403A
Client ID:	ZZZZZ	Batch ID:	17671	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545833

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.027	0.25	1	0	103	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **710-141-0.3** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.702	0.25	2.5	0	108	70	130	0	0		

Sample ID **067961-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.594	0.25	2.5	0.5193	123	70	130	0	0		

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **710-141-0.3** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067961-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2625	0.25	0	0	0	0	0	0.5193	65.7	20	R

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.05	2.0	50	0	88.1	80	120	0	0		
Arsenic	44.81	1.0	50	0	89.6	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	48.27	1.0	50	0	96.5	80	120	0	0		
Beryllium	44.45	1.0	50	0	88.9	80	120	0	0		
Cadmium	43.54	1.0	50	0	87.1	80	120	0	0		
Chromium	46.45	1.0	50	0	92.9	80	120	0	0		
Cobalt	44.36	1.0	50	0	88.7	80	120	0	0		
Copper	45.76	2.0	50	0	91.5	80	120	0	0		
Molybdenum	46.51	1.0	50	0	93	80	120	0	0		
Nickel	43.08	1.0	50	0	86.2	80	120	0	0		
Selenium	43.09	1.0	50	0	86.2	80	120	0	0		
Silver	43.22	1.0	50	0	86.4	80	120	0	0		
Thallium	43.23	1.0	50	0	86.5	80	120	0	0		
Vanadium	46.3	1.0	50	0	92.6	80	120	0	0		
Zinc	41.91	1.0	50	0	83.8	80	120	0	0		

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.6	1.0	250	0	102	80	120	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	71.66	1.0	125	0	57.3	23	118	0	0		
Arsenic	29.3	1.0	125	0	23.4	64	111	0	0		S
Barium	197.8	1.0	125	98.84	79.2	36	146	0	0		
Beryllium	94.08	1.0	125	0	75.3	50	120	0	0		
Cadmium	95.19	1.0	125	0.5984	75.7	62	107	0	0		
Chromium	106.9	1.0	125	12.96	75.2	63	119	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	91.15	1.0	125	3.439	70.2	63	111	0	0		
Copper	150	1.0	125	55.57	75.5	58	136	0	0		
Molybdenum	98.56	1.0	125	2.68	76.7	63	116	0	0		
Nickel	101.9	1.0	125	15.84	68.9	57	116	0	0		
Selenium	94.15	1.0	125	0	75.3	47	118	0	0		
Silver	106.6	1.0	125	0	85.3	48	125	0	0		
Thallium	89.22	1.0	125	0	71.4	49	116	0	0		
Vanadium	112.7	1.0	125	17.6	76.1	65	122	0	0		
Zinc	304.7	1.0	125	198.8	84.7	36	140	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.4	1.0	125	131.5	51.1	47	125	0	0		

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.93	1.0	125	0	63.1	23	118	71.66	9.65	20	
Arsenic	25.43	1.0	125	0	20.3	64	111	29.3	14.1	20	S
Barium	219.2	1.0	125	98.84	96.3	36	146	197.8	10.3	20	
Beryllium	106.4	1.0	125	0	85.1	50	120	94.08	12.3	20	
Cadmium	104.3	1.0	125	0.5984	83	62	107	95.19	9.15	20	
Chromium	124.5	1.0	125	12.96	89.2	63	119	106.9	15.2	20	
Cobalt	104.8	1.0	125	3.439	81.1	63	111	91.15	14.0	20	
Copper	193.3	1.0	125	55.57	110	58	136	150	25.2	20	R
Molybdenum	109.6	1.0	125	2.68	85.6	63	116	98.56	10.6	20	
Nickel	116.4	1.0	125	15.84	80.4	57	116	101.9	13.2	20	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	108.5	1.0	125	0	86.8	47	118	94.15	14.2	20	
Silver	115.1	1.0	125	0	92.1	48	125	106.6	7.67	20	
Thallium	95.57	1.0	125	0	76.5	49	116	89.22	6.87	20	
Vanadium	129.6	1.0	125	17.6	89.6	65	122	112.7	14.0	20	
Zinc	336.9	1.0	125	198.8	111	36	140	304.7	10.1	20	

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	218.9	1.0	125	131.5	69.9	47	125	195.4	11.4	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	116.8	1.0	0	0	0	0	0	98.84	16.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.5984	0	20	
Chromium	15.74	1.0	0	0	0	0	0	12.96	19.4	20	
Cobalt	3.547	1.0	0	0	0	0	0	3.439	3.09	20	
Copper	37.92	1.0	0	0	0	0	0	55.57	37.8	20	R
Molybdenum	2.714	1.0	0	0	0	0	0	2.68	1.25	20	
Nickel	14.05	1.0	0	0	0	0	0	15.84	12.0	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	18.11	1.0	0	0	0	0	0	17.6	2.81	20	

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Calculations are based on raw values
DO- Surrogate dilute out
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Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	203.3	1.0	0	0	0	0	0	198.8	2.24	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	149.6	1.0	0	0	0	0	0	131.5	12.9	20	

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067959
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17668	MBLK	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17668	LCS	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.886	0.10	2.08	0	90.7	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMS	MS	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: 710-141-0.3	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545007

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7666	0.10	0.83	0.0475	86.6	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMSD	MSD	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: 710-141-0.3	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545008

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.743	0.10	0.83	0.0475	83.8	62	146	0.7666	3.12	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002ADUP	DUP	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: 710-141-0.3	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.0475	0	30	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067959-001	710-141-S		3/18/04	1326	soil	1	X
-002	710-141-0.3			1327			
-003	710-141-0.6			1330			
-004	710-141-1.5			1335			
-005	710-142-S			1328			
-006	710-142-0.3			1330			
-007	710-142-0.6			1336			
-008	710-143-S			1327			
-009	710-143-0.3			1330			
-010	710-143-0.6			1335			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 9

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0410054-001	710-144-S		3/18/04	1350	soil	1	X
-002	710-144-0.3			1352			
-003	710-144-0.6			1400			
-004	710-145-S			1345			
-005	710-145-0.3			1350			
-006	710-145-0.6			1355			
-007	710-145-1.5			1400			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067960

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067960
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067960-001A	710-146-S	280	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067960-002A	710-146-0.3	28	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067960-003A	710-146-0.6	19	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067960-004A	710-146-0.9	5.3	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067960-005A	710-147-S	34	mg/Kg	17476	5	1	3/18/2004	3/24/2004
067960-006A	710-147-0.3	44	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-007A	710-147-0.6	40	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-008A	710-147-0.9	14	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-009A	710-148-S	540	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-010A	710-148-0.3	160	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-011A	710-148-0.6	19	mg/Kg	17477	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067960
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067960-012A	710-148-0.9	64	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-013A	710-149-S	270	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-014A	710-149-0.3	230	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-015A	710-149-0.6	29	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067960-016A	710-149-0.9	12	mg/Kg	17477	5	1	3/18/2004	3/24/2004

Qualifiers:

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DO - Surrogate Diluted Out
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067960
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067960-004A	710-146-0.9	7.70	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067960-008A	710-147-0.9	7.83	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067960-012A	710-148-0.9	8.30	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067960-016A	710-149-0.9	8.05	pH Units	R36317	0.1	1	3/18/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067960
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067960-001A	710-146-S	35	mg/L	R36826	1.2	5	3/18/2004	4/5/2004
067960-009A	710-148-S	59	mg/L	R36826	2.5	10	3/18/2004	4/5/2004
067960-010A	710-148-0.3	10	mg/L	R36826	0.25	1	3/18/2004	4/5/2004
067960-012A	710-148-0.9	ND	mg/L	R36826	0.25	1	3/18/2004	4/5/2004
067960-013A	710-149-S	16	mg/L	R36827	0.5	2	3/18/2004	4/6/2004
067960-014A	710-149-0.3	14	mg/L	R36827	0.5	2	3/18/2004	4/6/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067960
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067960-001A	710-146-S	1.1	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067960-009A	710-148-S	1.2	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067960-013A	710-149-S	0.96	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067960-014A	710-149-0.3	0.84	mg/L	17671	0.25	1	3/18/2004	4/3/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-146-S
Lab Order:	067960		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067960-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	140	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	15	1.0		mg/Kg	1	4/2/2004
Cobalt	4.0	1.0		mg/Kg	1	4/2/2004
Copper	90	1.0		mg/Kg	1	4/2/2004
Lead	320	1.0		mg/Kg	1	4/3/2004
Molybdenum	2.3	1.0		mg/Kg	1	4/2/2004
Nickel	14	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	21	1.0		mg/Kg	1	4/2/2004
Zinc	380	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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Results are wet unless otherwise specified

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Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-148-S
Lab Order:	067960		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067960-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	4.1	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	130	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	1.9	1.0		mg/Kg	1	4/2/2004
Chromium	23	1.0		mg/Kg	1	4/2/2004
Cobalt	5.5	1.0		mg/Kg	1	4/2/2004
Copper	110	1.0		mg/Kg	1	4/2/2004
Lead	760	1.0		mg/Kg	1	4/3/2004
Molybdenum	7.8	1.0		mg/Kg	1	4/2/2004
Nickel	25	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	27	1.0		mg/Kg	1	4/2/2004
Zinc	370	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067960
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067960-001A	710-146-S	0.32	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067960-009A	710-148-S	0.32	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067960-010A	710-148-0.3	ND	mg/L	R37149	0.25	1	3/18/2004	4/14/2004
067960-013A	710-149-S	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067960-014A	710-149-0.3	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17476A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324A
Client ID:	ZZZZZ	Batch ID:	17476	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539854

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17476B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324A
Client ID:	ZZZZZ	Batch ID:	17476	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539868

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17477A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324B
Client ID:	ZZZZZ	Batch ID:	17477	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539883

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17477B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324B
Client ID:	ZZZZZ	Batch ID:	17477	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539897

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17476	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324A
Client ID:	ZZZZZ	Batch ID:	17476	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539855

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	262.3	5.0	250	0	105	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17477** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **ZZZZZ** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	257.5	5.0	250	0	103	80	120	0	0		

Sample ID **067959-011AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **ZZZZZ** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	183	5.0	250	12.95	68	47	125	0	0		

Sample ID **067960-005AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **710-147-S** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	238.9	5.0	250	34.04	81.9	47	125	0	0		

Sample ID **067960-015AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **710-149-0.6** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290.4	5.0	250	29.43	104	47	125	0	0		

Sample ID **067961-009AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **ZZZZZ** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.5	5.0	250	8.131	78.6	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067959-011ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **ZZZZZ** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.026	5.0	0	0	0	0	0	12.95	59.3	20	R

Sample ID **067960-005ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324A**
Client ID: **710-147-S** Batch ID: **17476** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	31.72	5.0	0	0	0	0	0	34.04	7.05	20	

Sample ID **067960-015ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **710-149-0.6** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.34	5.0	0	0	0	0	0	29.43	3.04	20	

Sample ID **067961-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **ZZZZZ** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.74	5.0	0	0	0	0	0	8.131	79.0	20	R

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067961-008ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322H**
Client ID: **ZZZZZ** Batch ID: **R36317** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.94	0.10	0	0	0	0	0	8.05	1.38	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17641	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405E
Client ID:	ZZZZZ	Batch ID:	R36826	TestNo:	WET/ EPA 74			Analysis Date:	4/5/2004	SeqNo:	547402

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17641A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405E
Client ID:	ZZZZZ	Batch ID:	R36826	TestNo:	WET/ EPA 74			Analysis Date:	4/5/2004	SeqNo:	547403

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17641B	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405E
Client ID:	ZZZZZ	Batch ID:	R36826	TestNo:	WET/ EPA 74			Analysis Date:	4/5/2004	SeqNo:	547416

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17642	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/5/2004	SeqNo:	547437

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17642A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547438

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17642B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17641** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.492	0.25	5	0	89.8	80	120	0	0		

Sample ID **LCS-17642** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.43	0.25	5	0	109	80	120	0	0		

Sample ID **067955-009AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29.15	1.2	5	23.71	109	70	130	0	0		

Sample ID **067960-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **710-148-0.9** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.484	0.25	5	0.09621	87.8	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067962-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.778	0.25	5	2.279	90	70	130	0	0		

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.04	0.50	5	13.15	97.8	70	130	0	0		

Sample ID **067955-009ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **ZZZZZ** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.49	1.2	0	0	0	0	0	23.71	14.8	20	

Sample ID **067960-012ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405E**
Client ID: **710-148-0.9** Batch ID: **R36826** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.09621	0	20	

Sample ID **067962-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.859	0.25	0	0	0	0	0	2.279	51.5	20	R

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.61	0.50	0	0	0	0	0	13.15	12.4	20	

Qualifiers:
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Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17671** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545846**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17671** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.027	0.25	1	0	103	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.702	0.25	2.5	0	108	70	130	0	0		

Sample ID **067961-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.594	0.25	2.5	0.5193	123	70	130	0	0		

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067961-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2625	0.25	0	0	0	0	0	0.5193	65.7	20	R

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.05	2.0	50	0	88.1	80	120	0	0		
Arsenic	44.81	1.0	50	0	89.6	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	48.27	1.0	50	0	96.5	80	120	0	0		
Beryllium	44.45	1.0	50	0	88.9	80	120	0	0		
Cadmium	43.54	1.0	50	0	87.1	80	120	0	0		
Chromium	46.45	1.0	50	0	92.9	80	120	0	0		
Cobalt	44.36	1.0	50	0	88.7	80	120	0	0		
Copper	45.76	2.0	50	0	91.5	80	120	0	0		
Molybdenum	46.51	1.0	50	0	93	80	120	0	0		
Nickel	43.08	1.0	50	0	86.2	80	120	0	0		
Selenium	43.09	1.0	50	0	86.2	80	120	0	0		
Silver	43.22	1.0	50	0	86.4	80	120	0	0		
Thallium	43.23	1.0	50	0	86.5	80	120	0	0		
Vanadium	46.3	1.0	50	0	92.6	80	120	0	0		
Zinc	41.91	1.0	50	0	83.8	80	120	0	0		

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.6	1.0	250	0	102	80	120	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	71.66	1.0	125	0	57.3	23	118	0	0		
Arsenic	29.3	1.0	125	0	23.4	64	111	0	0		S
Barium	197.8	1.0	125	98.84	79.2	36	146	0	0		
Beryllium	94.08	1.0	125	0	75.3	50	120	0	0		
Cadmium	95.19	1.0	125	0.5984	75.7	62	107	0	0		
Chromium	106.9	1.0	125	12.96	75.2	63	119	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	91.15	1.0	125	3.439	70.2	63	111	0	0		
Copper	150	1.0	125	55.57	75.5	58	136	0	0		
Molybdenum	98.56	1.0	125	2.68	76.7	63	116	0	0		
Nickel	101.9	1.0	125	15.84	68.9	57	116	0	0		
Selenium	94.15	1.0	125	0	75.3	47	118	0	0		
Silver	106.6	1.0	125	0	85.3	48	125	0	0		
Thallium	89.22	1.0	125	0	71.4	49	116	0	0		
Vanadium	112.7	1.0	125	17.6	76.1	65	122	0	0		
Zinc	304.7	1.0	125	198.8	84.7	36	140	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.4	1.0	125	131.5	51.1	47	125	0	0		

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.93	1.0	125	0	63.1	23	118	71.66	9.65	20	
Arsenic	25.43	1.0	125	0	20.3	64	111	29.3	14.1	20	S
Barium	219.2	1.0	125	98.84	96.3	36	146	197.8	10.3	20	
Beryllium	106.4	1.0	125	0	85.1	50	120	94.08	12.3	20	
Cadmium	104.3	1.0	125	0.5984	83	62	107	95.19	9.15	20	
Chromium	124.5	1.0	125	12.96	89.2	63	119	106.9	15.2	20	
Cobalt	104.8	1.0	125	3.439	81.1	63	111	91.15	14.0	20	
Copper	193.3	1.0	125	55.57	110	58	136	150	25.2	20	R
Molybdenum	109.6	1.0	125	2.68	85.6	63	116	98.56	10.6	20	
Nickel	116.4	1.0	125	15.84	80.4	57	116	101.9	13.2	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	108.5	1.0	125	0	86.8	47	118	94.15	14.2	20	
Silver	115.1	1.0	125	0	92.1	48	125	106.6	7.67	20	
Thallium	95.57	1.0	125	0	76.5	49	116	89.22	6.87	20	
Vanadium	129.6	1.0	125	17.6	89.6	65	122	112.7	14.0	20	
Zinc	336.9	1.0	125	198.8	111	36	140	304.7	10.1	20	

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	218.9	1.0	125	131.5	69.9	47	125	195.4	11.4	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	116.8	1.0	0	0	0	0	0	98.84	16.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.5984	0	20	
Chromium	15.74	1.0	0	0	0	0	0	12.96	19.4	20	
Cobalt	3.547	1.0	0	0	0	0	0	3.439	3.09	20	
Copper	37.92	1.0	0	0	0	0	0	55.57	37.8	20	R
Molybdenum	2.714	1.0	0	0	0	0	0	2.68	1.25	20	
Nickel	14.05	1.0	0	0	0	0	0	15.84	12.0	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	18.11	1.0	0	0	0	0	0	17.6	2.81	20	

Qualifiers:
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R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	067963-009ADUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040402E
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545785

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	203.3	1.0	0	0	0	0	0	198.8	2.24	20	

Sample ID	067963-009ADUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040403I
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/3/2004	SeqNo:	546435

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	149.6	1.0	0	0	0	0	0	131.5	12.9	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17668** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID **LCS-17668** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.886	0.10	2.08	0	90.7	80	120	0	0		

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7666	0.10	0.83	0.0475	86.6	62	146	0	0		

Sample ID **067959-002AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.743	0.10	0.83	0.0475	83.8	62	146	0.7666	3.12	30	

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.0475	0	30	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17812	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414C
Client ID:	ZZZZZ	Batch ID:	R37149	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552754

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17812A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414C
Client ID:	ZZZZZ	Batch ID:	R37149	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552755

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17812B	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414C
Client ID:	ZZZZZ	Batch ID:	R37149	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552769

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17813	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552783

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17813A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552784

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17813B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17812** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.325	0.25	5	0	107	80	120	0	0		

Sample ID **LCS-17813** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **067955-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.315	0.25	5	0.2268	102	70	130	0	0		

Sample ID **067960-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **710-148-0.3** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.305	0.25	5	0.1747	103	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067962-009AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.464	0.25	5	0.2293	105	70	130	0	0		

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.833	0.25	5	0.5511	106	70	130	0	0		

Sample ID **067955-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **ZZZZZ** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2268	0	20	

Sample ID **067960-010ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414C**
Client ID: **710-148-0.3** Batch ID: **R37149** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1747	0	20	

Sample ID **067962-009ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2293	0	20	

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067960
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.5581	0.25	0	0	0	0	0	0.5511	1.27	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
047960-001	710-146-5		3/18/04	1413	soil	1	X
-002	710-146-0.3			1415			
-003	710-146-0.6			1420			
-004	710-146-0.9			1430			
-005	710-147-5			1410			
-006	710-147-0.3			1412			
-007	710-147-0.6			1415			
-008	710-147-0.9			1420			
-009	710-148-5			1413			
-010	710-148-0.3			1418			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:00

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 10

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0619610-011	710-148-0.6		3/18/04	1420	soil	1	X
-012	710-148-0.9			1424			
-013	710-149-5			1424			
-014	710-149-0.3			1425			
-015	710-149-0.6			1430			
-016	710-149-0.9			1437			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067944

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067944
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067944-001A	710-150-S	68	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-002A	710-150-0.3	11	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-003A	710-150-0.6	ND	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-004A	710-150-0.9	ND	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-005A	710-151-S	370	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-006A	710-151-0.3	42	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-007A	710-151-0.6	5.6	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-008A	710-151-0.9	20	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-009A	710-152-S	340	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-010A	710-152-0.3	42	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-011A	710-152-0.6	ND	mg/Kg	17470	5	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067944
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067944-012A	710-152-0.9	ND	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-013A	710-153-S	380	mg/Kg	17470	5	1	3/19/2004	3/22/2004
067944-014A	710-153-0.3	250	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067944-015A	710-153-0.6	130	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067944-016A	710-153-0.9	6.3	mg/Kg	17471	5	1	3/19/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067944
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067944-004A	710-150-0.9	7.99	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067944-008A	710-151-0.9	7.84	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067944-012A	710-152-0.9	7.54	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067944-016A	710-153-0.9	7.41	pH Units	R36314	0.1	1	3/19/2004	3/22/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067944
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067944-001A	710-150-S	9.7	mg/L	R36694	0.25	1	3/19/2004	3/30/2004
067944-005A	710-151-S	50	mg/L	R36694	2.5	10	3/19/2004	3/30/2004
067944-009A	710-152-S	33	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067944-013A	710-153-S	18	mg/L	R36694	0.5	2	3/19/2004	3/30/2004
067944-014A	710-153-0.3	23	mg/L	R36694	1.2	5	3/19/2004	3/30/2004
067944-015A	710-153-0.6	0.41	mg/L	R36694	0.25	1	3/19/2004	3/30/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067944
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067944-005A	710-151-S	3.5	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067944-009A	710-152-S	1.1	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067944-013A	710-153-S	0.46	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067944-014A	710-153-0.3	0.48	mg/L	17670	0.25	1	3/19/2004	4/3/2004

Qualifiers:

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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-151-S
Lab Order:	067944		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067944-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	91	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	12	1.0		mg/Kg	1	4/1/2004
Cobalt	3.9	1.0		mg/Kg	1	4/1/2004
Copper	24	1.0		mg/Kg	1	4/1/2004
Lead	380	1.0		mg/Kg	1	4/1/2004
Molybdenum	1.4	1.0		mg/Kg	1	4/1/2004
Nickel	14	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	16	1.0		mg/Kg	1	4/1/2004
Zinc	110	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-153-S
Lab Order:	067944		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067944-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040401A	QC Batch: 17608			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/1/2004
Arsenic	ND	1.0		mg/Kg	1	4/1/2004
Barium	93	1.0		mg/Kg	1	4/1/2004
Beryllium	ND	1.0		mg/Kg	1	4/1/2004
Cadmium	ND	1.0		mg/Kg	1	4/1/2004
Chromium	11	1.0		mg/Kg	1	4/1/2004
Cobalt	5.0	1.0		mg/Kg	1	4/1/2004
Copper	28	1.0		mg/Kg	1	4/1/2004
Lead	260	1.0		mg/Kg	1	4/1/2004
Molybdenum	2.0	1.0		mg/Kg	1	4/1/2004
Nickel	11	1.0		mg/Kg	1	4/1/2004
Selenium	ND	1.0		mg/Kg	1	4/1/2004
Silver	ND	1.0		mg/Kg	1	4/1/2004
Thallium	ND	1.0		mg/Kg	1	4/1/2004
Vanadium	19	1.0		mg/Kg	1	4/1/2004
Zinc	120	1.0		mg/Kg	1	4/1/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
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H - Sample exceeded analytical holding time
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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067944
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067944-001A	710-150-S	0.92	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067944-005A	710-151-S	1.9	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067944-009A	710-152-S	1.6	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067944-013A	710-153-S	1.2	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067944-014A	710-153-0.3	1.4	mg/L	R37197	0.25	1	3/19/2004	4/16/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **MB-17470A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **MB-17470B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539141**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **MB-17471A** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323B**
Client ID: **ZZZZZ** Batch ID: **17471** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539663**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **MB-17471B** SampType: **MBLK** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323B**
Client ID: **ZZZZZ** Batch ID: **17471** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID **LCS-17470** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040322C**
Client ID: **ZZZZZ** Batch ID: **17470** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/22/2004** SeqNo: **539128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.8	5.0	250	0	101	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17471	LCS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323B
Client ID: ZZZZZ	Batch ID: 17471	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539664

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.7	5.0	250	0	93.5	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067944-003AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322C
Client ID: 710-150-0.6	Batch ID: 17470	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 539140

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	203.5	5.0	250	4.251	79.7	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067944-013AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040322C
Client ID: 710-153-S	Batch ID: 17470	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/22/2004	SeqNo: 539153

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	428.1	5.0	250	381	18.9	47	125	0	0		S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-007AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323B
Client ID: ZZZZZ	Batch ID: 17471	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539676

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.7	5.0	250	15.76	72.4	47	125	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067946-001AMS	MS	6010_SPB	mg/Kg	3/22/2004	ICP5_040323B
Client ID: ZZZZZ	Batch ID: 17471	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 3/23/2004	SeqNo: 539689

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	653.8	5.0	250	420.9	93.2	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	067944-003ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040322C
Client ID:	710-150-0.6	Batch ID:	17470	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/22/2004	SeqNo:	539139

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	4.251	0	20	

Sample ID	067944-013ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040322C
Client ID:	710-153-S	Batch ID:	17470	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/22/2004	SeqNo:	539152

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	294.6	5.0	0	0	0	0	0	381	25.6	20	R

Sample ID	067945-007ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539675

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	39.03	5.0	0	0	0	0	0	15.76	84.9	20	R

Sample ID	067946-001ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539688

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	668.6	5.0	0	0	0	0	0	420.9	45.5	20	R

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067945-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322E**
Client ID: **ZZZZZ** Batch ID: **R36314** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.52	0.10	0	0	0	0	0	7.59	0.927	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17598** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17598A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17958B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17598** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.198	0.25	5	0	104	80	120	0	0		

Sample ID **067943-005AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	35.78	1.2	5	31.56	84.3	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067944-015AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **710-153-0.6** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.245	0.25	5	0.4136	96.6	70	130	0	0		

Sample ID **067943-005ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **ZZZZZ** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	32.01	1.2	0	0	0	0	0	31.56	1.40	20	

Sample ID **067944-015ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040430A**
Client ID: **710-153-0.6** Batch ID: **R36694** TestNo: **WET/ EPA 74** Analysis Date: **3/30/2004** SeqNo: **545091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.4136	0	20	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MB-17670	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403C
Client ID:	ZZZZZ	Batch ID:	17670	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545883

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17670ATCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403C
Client ID:	ZZZZZ	Batch ID:	17670	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545884

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17670B	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403C
Client ID:	ZZZZZ	Batch ID:	17670	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545898

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17670BTCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403C
Client ID:	ZZZZZ	Batch ID:	17670	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545899

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17670	SampType:	LCS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403C
Client ID:	ZZZZZ	Batch ID:	17670	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545885

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8773	0.25	1	0	87.7	80	120	0	0		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067946-005AMS	MS	7420_TC	mg/L	4/1/2004	AA2_040403C
Client ID: ZZZZZ	Batch ID: 17670	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/3/2004	SeqNo: 545897

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.748	0.25	2.5	1.822	117	70	130	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067955-013AMS	MS	7420_TC	mg/L	4/1/2004	AA2_040403C
Client ID: ZZZZZ	Batch ID: 17670	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/3/2004	SeqNo: 545911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.729	0.25	2.5	0.1556	103	70	130	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067946-005ADUP	DUP	7420_TC	mg/L	4/1/2004	AA2_040403C
Client ID: ZZZZZ	Batch ID: 17670	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/3/2004	SeqNo: 545896

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.719	0.25	0	0	0	0	0	1.822	5.82	20	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067955-013ADUP	DUP	7420_TC	mg/L	4/1/2004	AA2_040403C
Client ID: ZZZZZ	Batch ID: 17670	TestNo: EPA 1311/ 74	(EPA 3010A)	Analysis Date: 4/3/2004	SeqNo: 545910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1556	0	20	

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Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17608	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP2_040330A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	3/30/2004	SeqNo:	543308

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID	MB-17608	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/29/2004	Run ID:	ICP5_040401A
Client ID:	ZZZZZ	Batch ID:	17608	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/1/2004	SeqNo:	544867

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									

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CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17608** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47	2.0	50	0	94	80	120	0	0		
Arsenic	47.5	1.0	50	0	95	80	120	0	0		
Barium	54.5	1.0	50	0	109	80	120	0	0		
Beryllium	47.5	1.0	50	0	95	80	120	0	0		
Cadmium	48.5	1.0	50	0	97	80	120	0	0		
Chromium	49.5	1.0	50	0	99	80	120	0	0		
Cobalt	47	1.0	50	0	94	80	120	0	0		
Copper	53.5	2.0	50	0	107	80	120	0	0		
Lead	47	1.0	50	0	94	80	120	0	0		
Molybdenum	47.5	1.0	50	0	95	80	120	0	0		
Nickel	47.5	1.0	50	0	95	80	120	0	0		
Selenium	46	1.0	50	0	92	80	120	0	0		
Silver	47	1.0	50	0	94	80	120	0	0		
Thallium	48.5	1.0	50	0	97	80	120	0	0		
Vanadium	46.5	1.0	50	0	93	80	120	0	0		
Zinc	47.5	1.0	50	0	95	80	120	0	0		

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17608** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **ZZZZZ** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	45.14	2.0	50	0	90.3	80	120	0	0		
Arsenic	46.47	1.0	50	0	92.9	80	120	0	0		
Barium	51.11	1.0	50	0	102	80	120	0	0		
Beryllium	45.74	1.0	50	0	91.5	80	120	0	0		
Cadmium	48.49	1.0	50	0	97	80	120	0	0		
Chromium	49.91	1.0	50	0	99.8	80	120	0	0		
Cobalt	45.62	1.0	50	0	91.2	80	120	0	0		
Copper	50.09	2.0	50	0	100	80	120	0	0		
Lead	44.67	1.0	50	0	89.3	80	120	0	0		
Molybdenum	47.14	1.0	50	0	94.3	80	120	0	0		
Nickel	46.97	1.0	50	0	93.9	80	120	0	0		
Selenium	45.66	1.0	50	0	91.3	80	120	0	0		
Silver	45.47	1.0	50	0	90.9	80	120	0	0		
Thallium	45.24	1.0	50	0	90.5	80	120	0	0		
Vanadium	48.3	1.0	50	0	96.6	80	120	0	0		
Zinc	45.54	1.0	50	0	91.1	80	120	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	85	2.0	125	0	68	23	118	0	0		
Arsenic	119.5	1.0	125	7.5	89.6	64	111	0	0		
Barium	238.5	1.0	125	110.5	102	36	146	0	0		
Beryllium	114.5	1.0	125	0	91.6	50	120	0	0		
Cadmium	105.5	1.0	125	0	84.4	62	107	0	0		
Chromium	133	1.0	125	11	97.6	63	119	0	0		
Cobalt	117	1.0	125	5.5	89.2	63	111	0	0		
Copper	188.5	2.0	125	35	123	58	136	0	0		
Lead	315.5	1.0	125	290.5	20	47	125	0	0		S

Qualifiers:
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	112.5	1.0	125	2	88.4	63	116	0	0		
Nickel	123	1.0	125	12	88.8	57	116	0	0		
Selenium	108	1.0	125	0	86.4	47	118	0	0		
Silver	122	1.0	125	0	97.6	48	125	0	0		
Thallium	114.5	1.0	125	0	91.6	49	116	0	0		
Vanadium	131	1.0	125	19	89.6	65	122	0	0		
Zinc	223	1.0	125	131	73.6	36	140	0	0		

Sample ID **067944-013AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	76.7	1.0	125	0	61.4	23	118	0	0		
Arsenic	38.68	1.0	125	0	30.9	64	111	0	0		S
Barium	184.3	1.0	125	92.77	73.2	36	146	0	0		
Beryllium	105.4	1.0	125	0	84.3	50	120	0	0		
Cadmium	95.1	1.0	125	0.7745	75.5	62	107	0	0		
Chromium	117.8	1.0	125	10.83	85.6	63	119	0	0		
Cobalt	102.4	1.0	125	4.952	77.9	63	111	0	0		
Copper	151.9	1.0	125	28.13	99	58	136	0	0		
Lead	266.2	1.0	125	256.5	7.79	47	125	0	0		S
Molybdenum	105.2	1.0	125	2.028	82.6	63	116	0	0		
Nickel	105.2	1.0	125	11.16	75.2	57	116	0	0		
Selenium	96.4	1.0	125	0	77.1	47	118	0	0		
Silver	101.6	1.0	125	0	81.2	48	125	0	0		
Thallium	101.8	1.0	125	0	81.4	49	116	0	0		
Vanadium	123.6	1.0	125	18.66	84	65	122	0	0		
Zinc	189.7	1.0	125	118.6	56.9	36	140	0	0		

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040330A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/30/2004** SeqNo: **543314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.5	2.0	125	0	71.6	23	118	85	5.16	20	
Arsenic	117.5	1.0	125	7.5	88	64	111	119.5	1.69	20	
Barium	221	1.0	125	110.5	88.4	36	146	238.5	7.62	20	
Beryllium	112.5	1.0	125	0	90	50	120	114.5	1.76	20	
Cadmium	104	1.0	125	0	83.2	62	107	105.5	1.43	20	
Chromium	125	1.0	125	11	91.2	63	119	133	6.20	20	
Cobalt	115.5	1.0	125	5.5	88	63	111	117	1.29	20	
Copper	158	2.0	125	35	98.4	58	136	188.5	17.6	20	
Lead	304	1.0	125	290.5	10.8	47	125	315.5	3.71	20	S
Molybdenum	112	1.0	125	2	88	63	116	112.5	0.445	20	
Nickel	123.5	1.0	125	12	89.2	57	116	123	0.406	20	
Selenium	107.5	1.0	125	0	86	47	118	108	0.464	20	
Silver	118.5	1.0	125	0	94.8	48	125	122	2.91	20	
Thallium	112.5	1.0	125	0	90	49	116	114.5	1.76	20	
Vanadium	126	1.0	125	19	85.6	65	122	131	3.89	20	
Zinc	236.5	1.0	125	131	84.4	36	140	223	5.88	20	

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.42	1.0	125	0	66.7	23	118	76.7	8.39	20	
Arsenic	51.1	1.0	125	0	40.9	64	111	38.68	27.7	20	SR
Barium	175	1.0	125	92.77	65.7	36	146	184.3	5.22	20	
Beryllium	104.1	1.0	125	0	83.2	50	120	105.4	1.28	20	
Cadmium	96.31	1.0	125	0.7745	76.4	62	107	95.1	1.27	20	
Chromium	112.1	1.0	125	10.83	81.1	63	119	117.8	4.92	20	
Cobalt	103.9	1.0	125	4.952	79.2	63	111	102.4	1.49	20	
Copper	131.4	1.0	125	28.13	82.6	58	136	151.9	14.5	20	
Lead	265.4	1.0	125	256.5	7.11	47	125	266.2	0.318	20	S

Qualifiers:
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067944-013AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	107.6	1.0	125	2.028	84.4	63	116	105.2	2.20	20	
Nickel	107.9	1.0	125	11.16	77.4	57	116	105.2	2.48	20	
Selenium	97.6	1.0	125	0	78.1	47	118	96.4	1.24	20	
Silver	101.1	1.0	125	0	80.9	48	125	101.6	0.440	20	
Thallium	103.2	1.0	125	0	82.6	49	116	101.8	1.46	20	
Vanadium	121.2	1.0	125	18.66	82	65	122	123.6	1.97	20	
Zinc	211.8	1.0	125	118.6	74.6	36	140	189.7	11.0	20	

Sample ID **067944-013ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP5_040401A**
Client ID: **710-153-S** Batch ID: **17608** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/1/2004** SeqNo: **544883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	90.02	1.0	0	0	0	0	0	92.77	3.01	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.7745	0	20	
Chromium	10.9	1.0	0	0	0	0	0	10.83	0.655	20	
Cobalt	4.549	1.0	0	0	0	0	0	4.952	8.47	20	
Copper	44.63	1.0	0	0	0	0	0	28.13	45.4	20	R
Lead	243.3	1.0	0	0	0	0	0	256.5	5.27	20	
Molybdenum	1.921	1.0	0	0	0	0	0	2.028	5.40	20	
Nickel	9.817	1.0	0	0	0	0	0	11.16	12.8	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	16.16	1.0	0	0	0	0	0	18.66	14.4	20	
Zinc	119.9	1.0	0	0	0	0	0	118.6	1.15	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17569	MBLK	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17569	LCS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.177	0.10	2.08	0	105	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMS	MS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.96	0.10	0.83	0.05628	109	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMSD	MSD	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3057	0.10	0.83	0.05628	30.1	62	146	0.96	103	30	SR

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006ADUP	DUP	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.05628	0	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue · Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17737** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17737A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553715**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17737B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17737** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.127	0.25	5	0	103	80	120	0	0		

Sample ID **067946-001AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.587	0.25	5	2.645	98.8	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067944
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067946-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.678	0.25	5	0.328	107	70	130	0	0		

Sample ID **067946-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.486	0.25	0	0	0	0	0	2.645	6.19	20	

Sample ID **067946-013ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.3153	0.25	0	0	0	0	0	0.328	3.94	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 11

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0674LU-001	710-150-S		3/19/04	1059	soil		X
-002	710-150-0.3			1100			
-003	710-150-0.6			1103			
-004	710-150-0.9			1105			
-005	710-151-S			1055			
-006	710-151-0.3			1056			
-007	710-151-0.6			1057			
-008	710-151-0.9			1100			
-009	710-152-S			1055			
-010	710-152-0.3			1055			

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature]	3/19/04	2:16

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 1

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0419441-011	710-152-0.6		3/19/04	1100	soil		X
-012	710-152-0.9			1102			
-013	710-153-5			1110			
-014	710-153-0.3			1111			
-015	710-153-0.6			1113			
-016	710-153-0.9			1115			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067945

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067945
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067945-001A	710-154-S	79	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-002A	710-154-0.3	15	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-003A	710-154-0.6	14	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-004A	710-154-0.9	36	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-005A	710-155-S	190	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-006A	710-155-0.3	110	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-007A	710-155-0.6	16	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-008A	710-155-0.9	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-009A	710-156-S	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-010A	710-156-0.3	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-011A	710-156-0.6	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067945
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067945-012A	710-156-0.9	35	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-013A	710-157-S	23	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-014A	710-157-0.3	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-015A	710-157-0.6	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004
067945-016A	710-157-0.9	ND	mg/Kg	17471	5	1	3/19/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067945
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067945-004A	710-154-0.9	7.79	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067945-008A	710-155-0.9	7.70	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067945-012A	710-156-0.9	7.69	pH Units	R36314	0.1	1	3/19/2004	3/22/2004
067945-016A	710-157-0.9	7.59	pH Units	R36314	0.1	1	3/19/2004	3/22/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
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E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067945
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067945-001A	710-154-S	9.6	mg/L	R36695	0.25	1	3/19/2004	3/31/2004
067945-005A	710-155-S	17	mg/L	R36695	0.5	2	3/19/2004	3/31/2004
067945-006A	710-155-0.3	6.4	mg/L	R36695	0.25	1	3/19/2004	3/31/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/5/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067945
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067945-001A	710-154-S	0.34	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067945-004A	710-154-0.9	ND	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067945-005A	710-155-S	0.88	mg/L	17670	0.25	1	3/19/2004	4/3/2004
067945-006A	710-155-0.3	0.29	mg/L	17670	0.25	1	3/19/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-155-S
Lab Order:	067945		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067945-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040331A	QC Batch: 17609			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	3/31/2004
Arsenic	4.8	1.0		mg/Kg	1	3/31/2004
Barium	140	1.0		mg/Kg	1	3/31/2004
Beryllium	ND	1.0		mg/Kg	1	3/31/2004
Cadmium	ND	1.0		mg/Kg	1	3/31/2004
Chromium	24	1.0		mg/Kg	1	3/31/2004
Cobalt	8.0	1.0		mg/Kg	1	3/31/2004
Copper	69	1.0		mg/Kg	1	3/31/2004
Lead	310	1.0		mg/Kg	1	3/31/2004
Molybdenum	2.0	1.0		mg/Kg	1	3/31/2004
Nickel	18	1.0		mg/Kg	1	3/31/2004
Selenium	ND	1.0		mg/Kg	1	3/31/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	3/31/2004
Vanadium	32	1.0		mg/Kg	1	3/31/2004
Zinc	150	1.0		mg/Kg	1	3/31/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-155-0.3
Lab Order:	067945		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/19/2004
Lab ID:	067945-006A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP2_040331A	QC Batch: 17609			PrepDate	3/29/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	3/31/2004
Arsenic	5.5	1.0		mg/Kg	1	3/31/2004
Barium	140	1.0		mg/Kg	1	3/31/2004
Beryllium	ND	1.0		mg/Kg	1	3/31/2004
Cadmium	ND	1.0		mg/Kg	1	3/31/2004
Chromium	27	1.0		mg/Kg	1	3/31/2004
Cobalt	9.0	1.0		mg/Kg	1	3/31/2004
Copper	110	1.0		mg/Kg	1	3/31/2004
Lead	110	1.0		mg/Kg	1	3/31/2004
Molybdenum	4.5	1.0		mg/Kg	1	3/31/2004
Nickel	20	1.0		mg/Kg	1	3/31/2004
Selenium	ND	1.0		mg/Kg	1	3/31/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	1.0	1.0		mg/Kg	1	3/31/2004
Vanadium	36	1.0		mg/Kg	1	3/31/2004
Zinc	150	1.0		mg/Kg	1	3/31/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040330B	QC Batch: 17569			PrepDate	3/29/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	3/30/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/19/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067945
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067945-001A	710-154-S	ND	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067945-005A	710-155-S	0.36	mg/L	R37197	0.25	1	3/19/2004	4/16/2004
067945-006A	710-155-0.3	ND	mg/L	R37197	0.25	1	3/19/2004	4/16/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
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H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17471A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539663

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17471B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539677

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17471	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539664

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	233.7	5.0	250	0	93.5	80	120	0	0		

Sample ID	067945-007AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	710-155-0.6	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539676

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	196.7	5.0	250	15.76	72.4	47	125	0	0		

Sample ID	067946-001AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040323B
Client ID:	ZZZZZ	Batch ID:	17471	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/23/2004	SeqNo:	539689

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	653.8	5.0	250	420.9	93.2	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067945-007ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323B**
Client ID: **710-155-0.6** Batch ID: **17471** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	39.03	5.0	0	0	0	0	0	15.76	84.9	20	R

Sample ID **067946-001ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040323B**
Client ID: **ZZZZZ** Batch ID: **17471** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/23/2004** SeqNo: **539688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	668.6	5.0	0	0	0	0	0	420.9	45.5	20	R

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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067945-016ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/22/2004** Run ID: **WETCHEM_040322E**
Client ID: **710-157-0.9** Batch ID: **R36314** TestNo: **EPA 9045C** Analysis Date: **3/22/2004** SeqNo: **538731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.52	0.10	0	0	0	0	0	7.59	0.927	20	

Qualifiers:
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17599** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **3/31/2004** SeqNo: **545106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17599A** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **3/31/2004** SeqNo: **545107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17599B** SampType: **mblk** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545140**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17599** SampType: **lcs** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **3/31/2004** SeqNo: **545108**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.089	0.25	5	0	102	80	120	0	0		

Sample ID **067946-010AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.875	0.25	5	4.332	50.9	70	130	0	0		S

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **068030-002AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.038	0.25	5	0.1175	78.4	70	130	0	0		

Sample ID **067946-010ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.99	0.25	0	0	0	0	0	4.332	14.1	20	

Sample ID **068030-002ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040331B**
Client ID: **ZZZZZ** Batch ID: **R36695** TestNo: **WET/ EPA 74** Analysis Date: **4/1/2004** SeqNo: **545145**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1175	0	20	

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Calculations are based on raw values
DO- Surrogate dilute out
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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17670** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17670ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17670B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17670BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17670** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545885**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8773	0.25	1	0	87.7	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067946-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.748	0.25	2.5	1.822	117	70	130	0	0		

Sample ID **067955-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.729	0.25	2.5	0.1556	103	70	130	0	0		

Sample ID **067946-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.719	0.25	0	0	0	0	0	1.822	5.82	20	

Sample ID **067955-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403C**
Client ID: **ZZZZZ** Batch ID: **17670** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1556	0	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *05-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17609** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544248**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **MB-17609** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	1.0									

Sample ID **MB-17609** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17609** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544250**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.5	2.0	50	0	89	80	120	0	0		
Arsenic	44	1.0	50	0	88	80	120	0	0		
Barium	50	1.0	50	0	100	80	120	0	0		
Beryllium	43.5	1.0	50	0	87	80	120	0	0		
Cadmium	43	1.0	50	0	86	80	120	0	0		
Chromium	43.5	1.0	50	0	87	80	120	0	0		
Cobalt	43.5	1.0	50	0	87	80	120	0	0		
Copper	48	2.0	50	0	96	80	120	0	0		
Lead	43	1.0	50	0	86	80	120	0	0		
Molybdenum	43	1.0	50	0	86	80	120	0	0		
Nickel	43.5	1.0	50	0	87	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544250**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	43.5	1.0	50	0	87	80	120	0	0		
Thallium	44	1.0	50	0	88	80	120	0	0		
Vanadium	45	1.0	50	0	90	80	120	0	0		
Zinc	43	1.0	50	0	86	80	120	0	0		

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	45	1.0	50	0	90	80	120	0	0		

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.5	2.0	50	0	95	80	120	0	0		
Arsenic	45.5	1.0	50	0	91	80	120	0	0		
Barium	50.5	1.0	50	0	101	80	120	0	0		
Beryllium	47.5	1.0	50	0	95	80	120	0	0		
Cadmium	47	1.0	50	0	94	80	120	0	0		
Chromium	48.5	1.0	50	0	97	80	120	0	0		
Cobalt	49	1.0	50	0	98	80	120	0	0		
Copper	52.5	2.0	50	0	105	80	120	0	0		
Lead	48	1.0	50	0	96	80	120	0	0		
Molybdenum	49	1.0	50	0	98	80	120	0	0		
Nickel	47.5	1.0	50	0	95	80	120	0	0		
Selenium	41.5	1.0	50	0	83	80	120	0	0		
Silver	47.5	1.0	50	0	95	80	120	0	0		
Thallium	48	1.0	50	0	96	80	120	0	0		
Vanadium	50	1.0	50	0	100	80	120	0	0		

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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17609** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **ZZZZZ** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	45.5	1.0	50	0	91	80	120	0	0		

Sample ID **067945-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544254**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	61	2.0	125	0	48.8	23	118	0	0		
Arsenic	108.5	1.0	125	4.785	83	64	111	0	0		
Barium	244	1.0	125	135.5	86.8	36	146	0	0		
Beryllium	98.5	1.0	125	0	78.8	50	120	0	0		
Cadmium	90.5	1.0	125	0	72.4	62	107	0	0		
Chromium	119	1.0	125	23.5	76.4	63	119	0	0		
Cobalt	104	1.0	125	8	76.8	63	111	0	0		
Copper	182	2.0	125	69	90.4	58	136	0	0		
Lead	378	1.0	125	314.5	50.8	47	125	0	0		
Molybdenum	97.5	1.0	125	2	76.4	63	116	0	0		
Nickel	114	1.0	125	18	76.8	57	116	0	0		
Selenium	95.5	1.0	125	0	76.4	47	118	0	0		
Thallium	98	1.0	125	0	78.4	49	116	0	0		
Vanadium	135	1.0	125	32	82.4	65	122	0	0		
Zinc	249.5	1.0	125	154	76.4	36	140	0	0		

Sample ID **067945-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	61	2.0	125	0	48.8	23	118	0	0		
Arsenic	101	1.0	125	9	73.6	64	111	0	0		
Barium	236	1.0	125	130.5	84.4	36	146	0	0		
Beryllium	87.5	1.0	125	0	70	50	120	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067945-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	80.5	1.0	125	0	64.4	62	107	0	0		
Chromium	103	1.0	125	20	66.4	63	119	0	0		
Cobalt	98	1.0	125	7.5	72.4	63	111	0	0		
Copper	194	2.0	125	73.5	96.4	58	136	0	0		
Lead	349	1.0	125	285	51.2	47	125	0	0		
Molybdenum	94	1.0	125	1.5	74	63	116	0	0		
Nickel	103.5	1.0	125	16	70	57	116	0	0		
Selenium	87	1.0	125	0	69.6	47	118	0	0		
Silver	108.5	1.0	125	0	86.8	48	125	0	0		
Thallium	94	1.0	125	0	75.2	49	116	0	0		
Vanadium	135	1.0	125	32	82.4	65	122	0	0		
Zinc	214.5	1.0	125	133	65.2	36	140	0	0		

Sample ID **067945-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	64.5	2.0	125	0	51.6	23	118	61	5.58	20	
Arsenic	117.5	1.0	125	4.785	90.2	64	111	108.5	7.96	20	
Barium	271	1.0	125	135.5	108	36	146	244	10.5	20	
Beryllium	103.5	1.0	125	0	82.8	50	120	98.5	4.95	20	
Cadmium	94	1.0	125	0	75.2	62	107	90.5	3.79	20	
Chromium	151.5	1.0	125	23.5	102	63	119	119	24.0	20	R
Cobalt	108	1.0	125	8	80	63	111	104	3.77	20	
Copper	498.5	2.0	125	69	344	58	136	182	93.0	20	SR
Lead	447	1.0	125	314.5	106	47	125	378	16.7	20	
Molybdenum	103.5	1.0	125	2	81.2	63	116	97.5	5.97	20	
Nickel	120	1.0	125	18	81.6	57	116	114	5.13	20	
Selenium	100.5	1.0	125	0	80.4	47	118	95.5	5.10	20	
Thallium	103	1.0	125	0	82.4	49	116	98	4.98	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067945-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	140.5	1.0	125	32	86.8	65	122	135	3.99	20	
Zinc	733	1.0	125	154	463	36	140	249.5	98.4	20	SR

Sample ID **067945-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	63.5	2.0	125	0	50.8	23	118	61	4.02	20	
Arsenic	108	1.0	125	9	79.2	64	111	101	6.70	20	
Barium	259.5	1.0	125	130.5	103	36	146	236	9.49	20	
Beryllium	91	1.0	125	0	72.8	50	120	87.5	3.92	20	
Cadmium	83	1.0	125	0	66.4	62	107	80.5	3.06	20	
Chromium	130	1.0	125	20	88	63	119	103	23.2	20	R
Cobalt	100.5	1.0	125	7.5	74.4	63	111	98	2.52	20	
Copper	525.5	2.0	125	73.5	362	58	136	194	92.1	20	SR
Lead	406.5	1.0	125	285	97.2	47	125	349	15.2	20	
Molybdenum	98	1.0	125	1.5	77.2	63	116	94	4.17	20	
Nickel	107.5	1.0	125	16	73.2	57	116	103.5	3.79	20	
Selenium	89.5	1.0	125	0	71.6	47	118	87	2.83	20	
Silver	113.5	1.0	125	0	90.8	48	125	108.5	4.50	20	
Thallium	96.5	1.0	125	0	77.2	49	116	94	2.62	20	
Vanadium	138.5	1.0	125	32	85.2	65	122	135	2.56	20	
Zinc	566.5	1.0	125	133	347	36	140	214.5	90.1	20	SR

Sample ID **067945-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0	0	0	0	0	0	0	0	20	
Arsenic	4.82	1.0	0	0	0	0	0	4.785	0.729	20	

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067945-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040331A**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **3/31/2004** SeqNo: **544253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	133	1.0	0	0	0	0	0	135.5	1.86	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0	0	20	
Chromium	27.5	1.0	0	0	0	0	0	23.5	15.7	20	
Cobalt	8.5	1.0	0	0	0	0	0	8	6.06	20	
Copper	51.5	2.0	0	0	0	0	0	69	29.0	20	R
Lead	432.5	1.0	0	0	0	0	0	314.5	31.6	20	R
Molybdenum	2.5	1.0	0	0	0	0	0	2	22.2	20	R
Nickel	17	1.0	0	0	0	0	0	18	5.71	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	34.5	1.0	0	0	0	0	0	32	7.52	20	
Zinc	149	1.0	0	0	0	0	0	154	3.30	20	

Sample ID **067945-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/29/2004** Run ID: **ICP2_040402C**
Client ID: **710-155-S** Batch ID: **17609** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	1.0	0	0	0	0	0	0	0	20	

Qualifiers:
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CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17569	MBLK	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17569	LCS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: ZZZZZ	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.177	0.10	2.08	0	105	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMS	MS	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: 710-155-0.3	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.96	0.10	0.83	0.05628	109	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006AMSD	MSD	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: 710-155-0.3	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3057	0.10	0.83	0.05628	30.1	62	146	0.96	103	30	SR

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067945-006ADUP	DUP	7471_S	mg/Kg	3/29/2004	AA1_040330B
Client ID: 710-155-0.3	Batch ID: 17569	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 3/30/2004	SeqNo: 543572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.05628	0	30	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *19-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17737	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553714

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17737A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553715

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17737B	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553729

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17737	SampType:	lcs	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553716

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.127	0.25	5	0	103	80	120	0	0		

Sample ID	067946-001AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040416F
Client ID:	ZZZZZ	Batch ID:	R37197	TestNo:	WET DI/ EPA			Analysis Date:	4/16/2004	SeqNo:	553728

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.587	0.25	5	2.645	98.8	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067945
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067946-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.678	0.25	5	0.328	107	70	130	0	0		

Sample ID **067946-001ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.486	0.25	0	0	0	0	0	2.645	6.19	20	

Sample ID **067946-013ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040416F**
Client ID: **ZZZZZ** Batch ID: **R37197** TestNo: **WET DI/ EPA** Analysis Date: **4/16/2004** SeqNo: **553736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.3153	0.25	0	0	0	0	0	0.328	3.94	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067946-001	710-154-S		3/19/04	1030	soil		X
-002	710-154-0.3			1031			
-003	710-154-0.6			1032			
-004	710-154-0.9			1034			
-005	710-155-S			1026			
-006	710-155-0.3			1027			
-007	710-155-0.6			1030			
-008	710-155-0.9			1032			
-009	710-156-S			1023			
-010	710-156-0.3			1025			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 12

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067945-011	710-156-0.6		3/19/04	1027	soil		X
- 012	710-156-0.5			1029			
- 013	710-157-0.5			1035			
- 014	710-157-0.3			1036			
- 015	710-157-0.6			1037			
- 016	710-157-0.9			1040			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
NH	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067961

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067961
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067961-001A	710-158-S	110	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-002A	710-158-0.3	100	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-003A	710-158-0.6	11	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-004A	710-158-0.9	6.7	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-005A	710-159-S	1200	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-006A	710-159-0.3	65	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-007A	710-159-0.6	ND	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-008A	710-159-0.9	6.3	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-009A	710-160-S	8.1	mg/Kg	17477	5	1	3/18/2004	3/24/2004
067961-010A	710-160-0.3	29	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067961-011A	710-160-0.6	13	mg/Kg	17478	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067961
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067961-012A	710-160-0.9	6.0	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067961-013A	710-161-S	180	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067961-014A	710-161-0.3	110	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067961-015A	710-161-0.6	20	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067961-016A	710-161-0.9	37	mg/Kg	17478	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067961
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067961-004A	710-158-0.9	8.39	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067961-008A	710-159-0.9	8.05	pH Units	R36317	0.1	1	3/18/2004	3/22/2004
067961-012A	710-160-0.9	7.00	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067961-016A	710-161-0.9	7.12	pH Units	R36318	0.1	1	3/18/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067961
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067961-001A	710-158-S	12	mg/L	R36827	0.5	2	3/18/2004	4/6/2004
067961-002A	710-158-0.3	8.0	mg/L	R36827	0.25	1	3/18/2004	4/6/2004
067961-006A	710-159-0.3	8.8	mg/L	R36827	0.25	1	3/18/2004	4/6/2004
067961-013A	710-161-S	1.8	mg/L	R36827	0.25	1	3/18/2004	4/6/2004
067961-014A	710-161-0.3	5.9	mg/L	R36827	0.25	1	3/18/2004	4/6/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067961
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067961-001A	710-158-S	ND	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067961-005A	710-159-S	3.1	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067961-013A	710-161-S	0.52	mg/L	17671	0.25	1	3/18/2004	4/3/2004
067961-014A	710-161-0.3	ND	mg/L	17672	0.25	1	3/18/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-159-S
Lab Order:	067961		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067961-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	110	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	2.0	1.0		mg/Kg	1	4/2/2004
Chromium	23	1.0		mg/Kg	1	4/2/2004
Cobalt	5.9	1.0		mg/Kg	1	4/2/2004
Copper	58	1.0		mg/Kg	1	4/2/2004
Lead	940	1.0		mg/Kg	1	4/3/2004
Molybdenum	6.3	1.0		mg/Kg	1	4/2/2004
Nickel	21	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	36	1.0		mg/Kg	1	4/2/2004
Zinc	160	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	0.16	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-161-S
Lab Order:	067961		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067961-013A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	130	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	16	1.0		mg/Kg	1	4/2/2004
Cobalt	5.0	1.0		mg/Kg	1	4/2/2004
Copper	9.0	1.0		mg/Kg	1	4/2/2004
Lead	81	1.0		mg/Kg	1	4/3/2004
Molybdenum	2.0	1.0		mg/Kg	1	4/2/2004
Nickel	10	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	30	1.0		mg/Kg	1	4/2/2004
Zinc	41	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067961
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067961-001A	710-158-S	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067961-002A	710-158-0.3	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067961-006A	710-159-0.3	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067961-014A	710-161-0.3	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067961
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17477A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324B
Client ID:	ZZZZZ	Batch ID:	17477	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539883

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17477B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324B
Client ID:	ZZZZZ	Batch ID:	17477	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539897

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17478A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324C
Client ID:	ZZZZZ	Batch ID:	17478	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17478B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324C
Client ID:	ZZZZZ	Batch ID:	17478	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539925

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17477	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324B
Client ID:	ZZZZZ	Batch ID:	17477	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539884

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	257.5	5.0	250	0	103	80	120	0	0		

Qualifiers:
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DO- Surrogate dilute out
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Work Order: 067961
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17478** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **ZZZZZ** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.6	5.0	250	0	99.9	80	120	0	0		

Sample ID **067960-015AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **ZZZZZ** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290.4	5.0	250	29.43	104	47	125	0	0		

Sample ID **067961-009AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **710-160-S** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	204.5	5.0	250	8.131	78.6	47	125	0	0		

Sample ID **067962-003AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **ZZZZZ** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.6	5.0	250	14.57	78	47	125	0	0		

Sample ID **067962-013AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **ZZZZZ** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	506.2	5.0	250	378.4	51.1	47	125	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067960-015ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **ZZZZZ** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	30.34	5.0	0	0	0	0	0	29.43	3.04	20	

Sample ID **067961-009ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324B**
Client ID: **710-160-S** Batch ID: **17477** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.74	5.0	0	0	0	0	0	8.131	79.0	20	R

Sample ID **067962-003ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **ZZZZZ** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.43	5.0	0	0	0	0	0	14.57	5.71	20	

Sample ID **067962-013ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **ZZZZZ** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	438.1	5.0	0	0	0	0	0	378.4	14.6	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID	067961-008ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/22/2004	Run ID:	WETCHEM_040322H
Client ID:	710-159-0.9	Batch ID:	R36317	TestNo:	EPA 9045C			Analysis Date:	3/22/2004	SeqNo:	538770

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.94	0.10	0	0	0	0	0	8.05	1.38	20	

Sample ID	067963-015ADUP	SampType:	DUP	TestCode:	9045_S	Units:	pH Units	Prep Date:	3/23/2004	Run ID:	WETCHEM_040323A
Client ID:	ZZZZZ	Batch ID:	R36318	TestNo:	EPA 9045C			Analysis Date:	3/23/2004	SeqNo:	538783

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.87	0.10	0	0	0	0	0	7.89	0.254	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Date: *09-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **MB-17642** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/5/2004** SeqNo: **547437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17642A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17642B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17642** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.43	0.25	5	0	109	80	120	0	0		

Sample ID **067962-004AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.778	0.25	5	2.279	90	70	130	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.04	0.50	5	13.15	97.8	70	130	0	0		

Sample ID **067962-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.859	0.25	0	0	0	0	0	2.279	51.5	20	R

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.61	0.50	0	0	0	0	0	13.15	12.4	20	

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Date: *09-Apr-04*

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MB-17671** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545831**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17671BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545846**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MBLK-17672** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MBLK-17672ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MBLK-17672B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MBLK-17672BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17671** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.027	0.25	1	0	103	80	120	0	0		

Sample ID **LCS-17672** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9387	0.25	1	0	93.9	80	120	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.702	0.25	2.5	0	108	70	130	0	0		

Sample ID **067961-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **710-161-S** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.594	0.25	2.5	0.5193	123	70	130	0	0		

Sample ID **067964-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.612	0.25	2.5	0	104	70	130	0	0		

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.848	0.25	2.5	0.7818	123	70	130	0	0		

Sample ID **067964-013AMSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.037	0.25	2.5	0.7818	130	70	130	3.848	4.80	20	S

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **ZZZZZ** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067961-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403A**
Client ID: **710-161-S** Batch ID: **17671** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.2625	0.25	0	0	0	0	0	0.5193	65.7	20	R

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7744	0.25	0	0	0	0	0	0.7818	0.951	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067961
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B (EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.05	2.0	50	0	88.1	80	120	0	0		
Arsenic	44.81	1.0	50	0	89.6	80	120	0	0		

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	48.27	1.0	50	0	96.5	80	120	0	0		
Beryllium	44.45	1.0	50	0	88.9	80	120	0	0		
Cadmium	43.54	1.0	50	0	87.1	80	120	0	0		
Chromium	46.45	1.0	50	0	92.9	80	120	0	0		
Cobalt	44.36	1.0	50	0	88.7	80	120	0	0		
Copper	45.76	2.0	50	0	91.5	80	120	0	0		
Molybdenum	46.51	1.0	50	0	93	80	120	0	0		
Nickel	43.08	1.0	50	0	86.2	80	120	0	0		
Selenium	43.09	1.0	50	0	86.2	80	120	0	0		
Silver	43.22	1.0	50	0	86.4	80	120	0	0		
Thallium	43.23	1.0	50	0	86.5	80	120	0	0		
Vanadium	46.3	1.0	50	0	92.6	80	120	0	0		
Zinc	41.91	1.0	50	0	83.8	80	120	0	0		

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.6	1.0	250	0	102	80	120	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	71.66	1.0	125	0	57.3	23	118	0	0		
Arsenic	29.3	1.0	125	0	23.4	64	111	0	0		S
Barium	197.8	1.0	125	98.84	79.2	36	146	0	0		
Beryllium	94.08	1.0	125	0	75.3	50	120	0	0		
Cadmium	95.19	1.0	125	0.5984	75.7	62	107	0	0		
Chromium	106.9	1.0	125	12.96	75.2	63	119	0	0		

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DO- Surrogate dilute out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	91.15	1.0	125	3.439	70.2	63	111	0	0		
Copper	150	1.0	125	55.57	75.5	58	136	0	0		
Molybdenum	98.56	1.0	125	2.68	76.7	63	116	0	0		
Nickel	101.9	1.0	125	15.84	68.9	57	116	0	0		
Selenium	94.15	1.0	125	0	75.3	47	118	0	0		
Silver	106.6	1.0	125	0	85.3	48	125	0	0		
Thallium	89.22	1.0	125	0	71.4	49	116	0	0		
Vanadium	112.7	1.0	125	17.6	76.1	65	122	0	0		
Zinc	304.7	1.0	125	198.8	84.7	36	140	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.4	1.0	125	131.5	51.1	47	125	0	0		

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.93	1.0	125	0	63.1	23	118	71.66	9.65	20	
Arsenic	25.43	1.0	125	0	20.3	64	111	29.3	14.1	20	S
Barium	219.2	1.0	125	98.84	96.3	36	146	197.8	10.3	20	
Beryllium	106.4	1.0	125	0	85.1	50	120	94.08	12.3	20	
Cadmium	104.3	1.0	125	0.5984	83	62	107	95.19	9.15	20	
Chromium	124.5	1.0	125	12.96	89.2	63	119	106.9	15.2	20	
Cobalt	104.8	1.0	125	3.439	81.1	63	111	91.15	14.0	20	
Copper	193.3	1.0	125	55.57	110	58	136	150	25.2	20	R
Molybdenum	109.6	1.0	125	2.68	85.6	63	116	98.56	10.6	20	
Nickel	116.4	1.0	125	15.84	80.4	57	116	101.9	13.2	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	108.5	1.0	125	0	86.8	47	118	94.15	14.2	20	
Silver	115.1	1.0	125	0	92.1	48	125	106.6	7.67	20	
Thallium	95.57	1.0	125	0	76.5	49	116	89.22	6.87	20	
Vanadium	129.6	1.0	125	17.6	89.6	65	122	112.7	14.0	20	
Zinc	336.9	1.0	125	198.8	111	36	140	304.7	10.1	20	

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	218.9	1.0	125	131.5	69.9	47	125	195.4	11.4	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	116.8	1.0	0	0	0	0	0	98.84	16.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.5984	0	20	
Chromium	15.74	1.0	0	0	0	0	0	12.96	19.4	20	
Cobalt	3.547	1.0	0	0	0	0	0	3.439	3.09	20	
Copper	37.92	1.0	0	0	0	0	0	55.57	37.8	20	R
Molybdenum	2.714	1.0	0	0	0	0	0	2.68	1.25	20	
Nickel	14.05	1.0	0	0	0	0	0	15.84	12.0	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	18.11	1.0	0	0	0	0	0	17.6	2.81	20	

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	203.3	1.0	0	0	0	0	0	198.8	2.24	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	149.6	1.0	0	0	0	0	0	131.5	12.9	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID **MB-17668** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID **LCS-17668** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.886	0.10	2.08	0	90.7	80	120	0	0		

Sample ID **067959-002AMS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7666	0.10	0.83	0.0475	86.6	62	146	0	0		

Sample ID **067959-002AMSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.743	0.10	0.83	0.0475	83.8	62	146	0.7666	3.12	30	

Sample ID **067959-002ADUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/1/2004** Run ID: **AA1_040401C**
Client ID: **ZZZZZ** Batch ID: **17668** TestNo: **EPA 7471A** **(EPA 7471)** Analysis Date: **4/1/2004** SeqNo: **545006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.0475	0	30	

Qualifiers:
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H - Sample exceeded holding time

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Date: *16-Apr-04*

CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17813	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552783

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17813A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552784

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17813B	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552798

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17813	SampType:	lcs	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552785

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID	067962-009AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552797

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.464	0.25	5	0.2293	105	70	130	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.833	0.25	5	0.5511	106	70	130	0	0		

Sample ID **067962-009ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2293	0	20	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.5581	0.25	0	0	0	0	0	0.5511	1.27	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 13
158-161

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0079 61-001	710- 158-S		3/18/04	1453	soil	1	X
-002	710- 158-0.3			1455			
-003	710- 158-0.6			1457			
-004	710- 158-0.9			1502			
-005	710- 159-S			1450			
-006	710- 159-0.3			1452			
-007	710- 159-0.6			1455			
-008	710- 159-0.9			1500			
-009	710- 160-S			1500			
-010	710- 160-0.3			1502			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 13

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0607961-01	710-160-0.6		3/18/04	1505	soil	1	X
-02	710-160-0.9			1510			
-03	710-161-5			1507			
-04	710-161-6.3			1508			
-05	710-161-0.6			1510			
-06	710-161-0.9			1519			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:10

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067963

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067963
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067963-001A	710-162-S	25	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-002A	710-162-0.3	ND	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-003A	710-162-0.6	ND	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-004A	710-162-1.5	ND	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-005A	710-163-S	320	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-006A	710-163-0.3	6.2	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-007A	710-163-0.6	ND	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-008A	710-163-1.5	17	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-009A	710-164-S	180	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-010A	710-164-0.3	24	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-011A	710-164-0.6	13	mg/Kg	17479	5	1	3/18/2004	3/24/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067963
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067963-012A	710-164-1.5	ND	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067963-013A	710-165-S	71	mg/Kg	17479	5	1	3/19/2004	3/24/2004
067963-014A	710-165-0.3	6.8	mg/Kg	17479	5	1	3/19/2004	3/24/2004
067963-015A	710-165-0.6	14	mg/Kg	17479	5	1	3/19/2004	3/24/2004

Qualifiers:

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H - Sample exceeded analytical holding time
E - Value above quantitation range
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Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067963
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067963-004A	710-162-1.5	7.48	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067963-008A	710-163-1.5	7.71	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067963-012A	710-164-1.5	7.92	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067963-015A	710-165-0.6	7.89	pH Units	R36318	0.1	1	3/19/2004	3/23/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067963
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067963-005A	710-163-S	54	mg/L	R36827	2.5	10	3/18/2004	4/6/2004
067963-009A	710-164-S	12	mg/L	R36827	0.5	2	3/18/2004	4/6/2004
067963-013A	710-165-S	4.6	mg/L	R36827	0.25	1	3/19/2004	4/5/2004

Qualifiers:

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J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067963
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067963-001A	710-162-S	ND	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067963-005A	710-163-S	2.5	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067963-009A	710-164-S	ND	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067963-013A	710-165-S	ND	mg/L	17672	0.25	1	3/19/2004	4/3/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-163-S
Lab Order:	067963		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067963-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	140	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	2.2	1.0		mg/Kg	1	4/2/2004
Chromium	27	1.0		mg/Kg	1	4/2/2004
Cobalt	5.9	1.0		mg/Kg	1	4/2/2004
Copper	30	1.0		mg/Kg	1	4/2/2004
Lead	610	1.0		mg/Kg	1	4/3/2004
Molybdenum	6.6	1.0		mg/Kg	1	4/2/2004
Nickel	28	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	46	1.0		mg/Kg	1	4/2/2004
Zinc	120	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-164-S
Lab Order:	067963		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067963-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	99	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	13	1.0		mg/Kg	1	4/2/2004
Cobalt	3.4	1.0		mg/Kg	1	4/2/2004
Copper	56	1.0		mg/Kg	1	4/2/2004
Lead	130	1.0		mg/Kg	1	4/3/2004
Molybdenum	2.7	1.0		mg/Kg	1	4/2/2004
Nickel	16	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	18	1.0		mg/Kg	1	4/2/2004
Zinc	200	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067963
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067963-005A	710-163-S	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067963-009A	710-164-S	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17479A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17479B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539957

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17479	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.5	5.0	250	0	102	80	120	0	0		

Sample ID	067963-007AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	710-163-0.6	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539956

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	174.3	5.0	250	2.676	68.7	47	125	0	0		

Sample ID	067964-002AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539969

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.5	5.0	250	7.708	76.7	47	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	067963-007ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	710-163-0.6	Batch ID:	17479	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/24/2004	SeqNo:	539955

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.676	0	20	

Sample ID	067964-002ADUP	SampType:	DUP	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B		(EPA 3050M)	Analysis Date:	3/24/2004	SeqNo:	539968

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.6	5.0	0	0	0	0	0	7.708	105	20	R

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067963-015ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/23/2004** Run ID: **WETCHEM_040323A**
Client ID: **710-165-0.6** Batch ID: **R36318** TestNo: **EPA 9045C** Analysis Date: **3/23/2004** SeqNo: **538783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.87	0.10	0	0	0	0	0	7.89	0.254	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17642	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/5/2004	SeqNo:	547437

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17642A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547438

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17642B	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547451

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17642	SampType:	LCS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547463

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.43	0.25	5	0	109	80	120	0	0		

Sample ID	067962-004AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547450

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.778	0.25	5	2.279	90	70	130	0	0		

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.04	0.50	5	13.15	97.8	70	130	0	0		

Sample ID **067962-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.859	0.25	0	0	0	0	0	2.279	51.5	20	R

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.61	0.50	0	0	0	0	0	13.15	12.4	20	

Qualifiers:
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Date: *09-Apr-04*

CLIENT: Geocon Environmental
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID	MBLK-17672	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545860

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MBLK-17672ATCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545861

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MBLK-17672B	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545875

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MBLK-17672BTCLP	SampType:	MBLK	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545876

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17672	SampType:	LCS	TestCode:	7420_TC	Units:	mg/L	Prep Date:	4/1/2004	Run ID:	AA2_040403B
Client ID:	ZZZZZ	Batch ID:	17672	TestNo:	EPA 1311/ 74 (EPA 3010A)			Analysis Date:	4/3/2004	SeqNo:	545862

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9387	0.25	1	0	93.9	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067964-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.612	0.25	2.5	0	104	70	130	0	0		

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.848	0.25	2.5	0.7818	123	70	130	0	0		

Sample ID **067964-013AMSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.037	0.25	2.5	0.7818	130	70	130	3.848	4.80	20	S

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7744	0.25	0	0	0	0	0	0.7818	0.951	20	

Qualifiers:
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DO- Surrogate dilute out
H - Sample exceeded holding time

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-17651	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040402E
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545773

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID	MB-17651	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040403I
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/3/2004	SeqNo:	546438

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID	LCS-17651	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040402E
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545774

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.05	2.0	50	0	88.1	80	120	0	0		
Arsenic	44.81	1.0	50	0	89.6	80	120	0	0		

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CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	48.27	1.0	50	0	96.5	80	120	0	0		
Beryllium	44.45	1.0	50	0	88.9	80	120	0	0		
Cadmium	43.54	1.0	50	0	87.1	80	120	0	0		
Chromium	46.45	1.0	50	0	92.9	80	120	0	0		
Cobalt	44.36	1.0	50	0	88.7	80	120	0	0		
Copper	45.76	2.0	50	0	91.5	80	120	0	0		
Molybdenum	46.51	1.0	50	0	93	80	120	0	0		
Nickel	43.08	1.0	50	0	86.2	80	120	0	0		
Selenium	43.09	1.0	50	0	86.2	80	120	0	0		
Silver	43.22	1.0	50	0	86.4	80	120	0	0		
Thallium	43.23	1.0	50	0	86.5	80	120	0	0		
Vanadium	46.3	1.0	50	0	92.6	80	120	0	0		
Zinc	41.91	1.0	50	0	83.8	80	120	0	0		

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.6	1.0	250	0	102	80	120	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	71.66	1.0	125	0	57.3	23	118	0	0		
Arsenic	29.3	1.0	125	0	23.4	64	111	0	0		S
Barium	197.8	1.0	125	98.84	79.2	36	146	0	0		
Beryllium	94.08	1.0	125	0	75.3	50	120	0	0		
Cadmium	95.19	1.0	125	0.5984	75.7	62	107	0	0		
Chromium	106.9	1.0	125	12.96	75.2	63	119	0	0		

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DO- Surrogate dilute out
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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	91.15	1.0	125	3.439	70.2	63	111	0	0		
Copper	150	1.0	125	55.57	75.5	58	136	0	0		
Molybdenum	98.56	1.0	125	2.68	76.7	63	116	0	0		
Nickel	101.9	1.0	125	15.84	68.9	57	116	0	0		
Selenium	94.15	1.0	125	0	75.3	47	118	0	0		
Silver	106.6	1.0	125	0	85.3	48	125	0	0		
Thallium	89.22	1.0	125	0	71.4	49	116	0	0		
Vanadium	112.7	1.0	125	17.6	76.1	65	122	0	0		
Zinc	304.7	1.0	125	198.8	84.7	36	140	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.4	1.0	125	131.5	51.1	47	125	0	0		

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.93	1.0	125	0	63.1	23	118	71.66	9.65	20	
Arsenic	25.43	1.0	125	0	20.3	64	111	29.3	14.1	20	S
Barium	219.2	1.0	125	98.84	96.3	36	146	197.8	10.3	20	
Beryllium	106.4	1.0	125	0	85.1	50	120	94.08	12.3	20	
Cadmium	104.3	1.0	125	0.5984	83	62	107	95.19	9.15	20	
Chromium	124.5	1.0	125	12.96	89.2	63	119	106.9	15.2	20	
Cobalt	104.8	1.0	125	3.439	81.1	63	111	91.15	14.0	20	
Copper	193.3	1.0	125	55.57	110	58	136	150	25.2	20	R
Molybdenum	109.6	1.0	125	2.68	85.6	63	116	98.56	10.6	20	
Nickel	116.4	1.0	125	15.84	80.4	57	116	101.9	13.2	20	

Qualifiers:
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H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	108.5	1.0	125	0	86.8	47	118	94.15	14.2	20	
Silver	115.1	1.0	125	0	92.1	48	125	106.6	7.67	20	
Thallium	95.57	1.0	125	0	76.5	49	116	89.22	6.87	20	
Vanadium	129.6	1.0	125	17.6	89.6	65	122	112.7	14.0	20	
Zinc	336.9	1.0	125	198.8	111	36	140	304.7	10.1	20	

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	218.9	1.0	125	131.5	69.9	47	125	195.4	11.4	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	116.8	1.0	0	0	0	0	0	98.84	16.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.5984	0	20	
Chromium	15.74	1.0	0	0	0	0	0	12.96	19.4	20	
Cobalt	3.547	1.0	0	0	0	0	0	3.439	3.09	20	
Copper	37.92	1.0	0	0	0	0	0	55.57	37.8	20	R
Molybdenum	2.714	1.0	0	0	0	0	0	2.68	1.25	20	
Nickel	14.05	1.0	0	0	0	0	0	15.84	12.0	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	18.11	1.0	0	0	0	0	0	17.6	2.81	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	203.3	1.0	0	0	0	0	0	198.8	2.24	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **710-164-S** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	149.6	1.0	0	0	0	0	0	131.5	12.9	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17668	MBLK	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17668	LCS	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.886	0.10	2.08	0	90.7	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMS	MS	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545007

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7666	0.10	0.83	0.0475	86.6	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMSD	MSD	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545008

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.743	0.10	0.83	0.0475	83.8	62	146	0.7666	3.12	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002ADUP	DUP	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.0475	0	30	

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **MB-17813** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17813A** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552784**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MB-17813B** SampType: **mblk** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17813** SampType: **lcs** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID **067962-009AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.464	0.25	5	0.2293	105	70	130	0	0		

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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067963
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.833	0.25	5	0.5511	106	70	130	0	0		

Sample ID **067962-009ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2293	0	20	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.5581	0.25	0	0	0	0	0	0.5511	1.27	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 4

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 15 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0049623-001	710-162-5		3/18/04	1525	soil	1	X
-002	710-162-0.3			1528			
-003	710-162-0.6			1531			
-004	710-162-1.5			1535			
-005	710-163-5			1530			
-006	710-163-0.3			1533			
-007	710-163-0.6			1537			
-008	710-163-1.5			1540			
-009	710-164-5			1537			
-010	710-164-0.3			1540			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 14

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0619068-011	710-164-0.6		3/18	1532	soil	1	X
✓ - 012	710-164-01.5		3/18/04	550	X	1	X
	710-						
	710-						
	710-						
	710-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 1 OF 1

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 14

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

ADD TO GROUP 14

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0403 - 013	710- 165-5		3/19/04	952	soil		X
- 014	710- 165-0.3		↓	955	↓		X
- 015	710- 165-0.6		↓	1001	↓		X
	710-						
	710-						
	710-						
	710-						
	710-						
	710-						
	710-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067962

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067962
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067962-001A	710-105-S	770	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-002A	710-105-0.3	200	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-003A	710-105-0.6	15	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-004A	710-105-0.9	61	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-005A	710-106-S	390	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-006A	710-106-0.3	20	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-007A	710-106-0.6	30	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-008A	710-106-0.9	31	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-009A	710-107-S	350	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-010A	710-107-0.3	54	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-011A	710-107-0.6	11	mg/Kg	17478	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067962
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067962-012A	710-107-0.9	11	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-013A	710-108-S	380	mg/Kg	17478	5	1	3/18/2004	3/24/2004
067962-014A	710-108-0.3	11	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067962-015A	710-108-0.6	29	mg/Kg	17479	5	1	3/18/2004	3/24/2004
067962-016A	710-108-0.9	13	mg/Kg	17479	5	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	067962
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067962-004A	710-105-0.9	7.76	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067962-008A	710-106-0.9	7.65	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067962-012A	710-107-0.9	7.30	pH Units	R36318	0.1	1	3/18/2004	3/23/2004
067962-016A	710-108-0.9	6.76	pH Units	R36318	0.1	1	3/18/2004	3/23/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067962
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	JT

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067962-001A	710-105-S	63	mg/L	R36827	2.5	10	3/18/2004	4/6/2004
067962-002A	710-105-0.3	11	mg/L	R36827	0.5	2	3/18/2004	4/6/2004
067962-004A	710-105-0.9	2.3	mg/L	R36827	0.25	1	3/18/2004	4/6/2004
067962-005A	710-106-S	55	mg/L	R36827	2.5	10	3/18/2004	4/6/2004
067962-009A	710-107-S	33	mg/L	R36827	1.2	5	3/18/2004	4/6/2004
067962-010A	710-107-0.3	6.6	mg/L	R36827	0.25	1	3/18/2004	4/6/2004
067962-013A	710-108-S	56	mg/L	R36827	2.5	10	3/18/2004	4/6/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: 4/9/2004

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067962
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067962-001A	710-105-S	7.3	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067962-005A	710-106-S	1.5	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067962-009A	710-107-S	0.59	mg/L	17672	0.25	1	3/18/2004	4/3/2004
067962-013A	710-108-S	2.2	mg/L	17672	0.25	1	3/18/2004	4/3/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-105-S
Lab Order:	067962		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067962-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	93	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	18	1.0		mg/Kg	1	4/2/2004
Cobalt	5.5	1.0		mg/Kg	1	4/2/2004
Copper	74	1.0		mg/Kg	1	4/2/2004
Lead	730	1.0		mg/Kg	1	4/3/2004
Molybdenum	1.4	1.0		mg/Kg	1	4/2/2004
Nickel	15	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	24	1.0		mg/Kg	1	4/2/2004
Zinc	230	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	710-106-S
Lab Order:	067962		
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Collection Date:**	3/18/2004
Lab ID:	067962-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050A)			**EPA 6010B**		
RunID: ICP5_040402E	QC Batch: 17651			PrepDate	3/31/2004	Analyst: **NS**
Antimony	ND	1.0		mg/Kg	1	4/2/2004
Arsenic	ND	1.0		mg/Kg	1	4/2/2004
Barium	78	1.0		mg/Kg	1	4/2/2004
Beryllium	ND	1.0		mg/Kg	1	4/2/2004
Cadmium	ND	1.0		mg/Kg	1	4/2/2004
Chromium	17	1.0		mg/Kg	1	4/2/2004
Cobalt	4.4	1.0		mg/Kg	1	4/2/2004
Copper	140	1.0		mg/Kg	1	4/2/2004
Lead	430	1.0		mg/Kg	1	4/3/2004
Molybdenum	1.1	1.0		mg/Kg	1	4/2/2004
Nickel	12	1.0		mg/Kg	1	4/2/2004
Selenium	ND	1.0		mg/Kg	1	4/2/2004
Silver	ND	1.0		mg/Kg	1	4/2/2004
Thallium	ND	1.0		mg/Kg	1	4/2/2004
Vanadium	20	1.0		mg/Kg	1	4/2/2004
Zinc	170	1.0		mg/Kg	1	4/2/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_040401C	QC Batch: 17668			PrepDate	4/1/2004	Analyst: **JT**
Mercury	ND	0.10		mg/Kg	1	4/1/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 4/16/2004

LEAD BY ATOMIC ABSORPTION
WET DI/ EPA 7420

CLIENT:	Geocon Environmental	**Lab Order:**	067962
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067962-001A	710-105-S	1.4	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067962-002A	710-105-0.3	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067962-005A	710-106-S	0.47	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067962-009A	710-107-S	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067962-010A	710-107-0.3	ND	mg/L	R37150	0.25	1	3/18/2004	4/14/2004
067962-013A	710-108-S	0.34	mg/L	R37150	0.25	1	3/18/2004	4/14/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-17478A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324C
Client ID:	ZZZZZ	Batch ID:	17478	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17478B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324C
Client ID:	ZZZZZ	Batch ID:	17478	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539925

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17479A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-17479B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324D
Client ID:	ZZZZZ	Batch ID:	17479	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539957

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-17478	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	3/22/2004	Run ID:	ICP5_040324C
Client ID:	ZZZZZ	Batch ID:	17478	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	3/24/2004	SeqNo:	539912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	249.6	5.0	250	0	99.9	80	120	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **LCS-17479** SampType: **LCS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.5	5.0	250	0	102	80	120	0	0		

Sample ID **067962-003AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **710-105-0.6** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	209.6	5.0	250	14.57	78	47	125	0	0		

Sample ID **067962-013AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **710-108-S** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	506.2	5.0	250	378.4	51.1	47	125	0	0		

Sample ID **067963-007AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539956**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	174.3	5.0	250	2.676	68.7	47	125	0	0		

Sample ID **067964-002AMS** SampType: **MS** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	199.5	5.0	250	7.708	76.7	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID **067962-003ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **710-105-0.6** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	15.43	5.0	0	0	0	0	0	14.57	5.71	20	

Sample ID **067962-013ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324C**
Client ID: **710-108-S** Batch ID: **17478** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	438.1	5.0	0	0	0	0	0	378.4	14.6	20	

Sample ID **067963-007ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.676	0	20	

Sample ID **067964-002ADUP** SampType: **DUP** TestCode: **6010_SPB** Units: **mg/Kg** Prep Date: **3/22/2004** Run ID: **ICP5_040324D**
Client ID: **ZZZZZ** Batch ID: **17479** TestNo: **EPA 6010B** **(EPA 3050M)** Analysis Date: **3/24/2004** SeqNo: **539968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.6	5.0	0	0	0	0	0	7.708	105	20	R

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **067963-015ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/23/2004** Run ID: **WETCHEM_040323A**
Client ID: **ZZZZZ** Batch ID: **R36318** TestNo: **EPA 9045C** Analysis Date: **3/23/2004** SeqNo: **538783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.87	0.10	0	0	0	0	0	7.89	0.254	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-17642	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/5/2004	SeqNo:	547437

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17642A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547438

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17642B	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547451

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17642	SampType:	LCS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	ZZZZZ	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547463

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.43	0.25	5	0	109	80	120	0	0		

Sample ID	067962-004AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_040405F
Client ID:	710-105-0.9	Batch ID:	R36827	TestNo:	WET/ EPA 74			Analysis Date:	4/6/2004	SeqNo:	547450

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.778	0.25	5	2.279	90	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.04	0.50	5	13.15	97.8	70	130	0	0		

Sample ID **067962-004ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **710-105-0.9** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.859	0.25	0	0	0	0	0	2.279	51.5	20	R

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: Run ID: **AA2_040405F**
Client ID: **ZZZZZ** Batch ID: **R36827** TestNo: **WET/ EPA 74** Analysis Date: **4/6/2004** SeqNo: **547460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.61	0.50	0	0	0	0	0	13.15	12.4	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **MBLK-17672** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MBLK-17672ATCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MBLK-17672B** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **MBLK-17672BTCLP** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID **LCS-17672** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9387	0.25	1	0	93.9	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID **067964-005AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.612	0.25	2.5	0	104	70	130	0	0		

Sample ID **067964-013AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.848	0.25	2.5	0.7818	123	70	130	0	0		

Sample ID **067964-013AMSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.037	0.25	2.5	0.7818	130	70	130	3.848	4.80	20	S

Sample ID **067964-005ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067964-013ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/1/2004** Run ID: **AA2_040403B**
Client ID: **ZZZZZ** Batch ID: **17672** TestNo: **EPA 1311/ 74 (EPA 3010A)** Analysis Date: **4/3/2004** SeqNo: **545880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.7744	0.25	0	0	0	0	0	0.7818	0.951	20	

Qualifiers:
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H - Sample exceeded holding time

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Advanced Technology Laboratories

Date: *09-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID **MB-17651** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	44.05	2.0	50	0	88.1	80	120	0	0		
Arsenic	44.81	1.0	50	0	89.6	80	120	0	0		

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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	48.27	1.0	50	0	96.5	80	120	0	0		
Beryllium	44.45	1.0	50	0	88.9	80	120	0	0		
Cadmium	43.54	1.0	50	0	87.1	80	120	0	0		
Chromium	46.45	1.0	50	0	92.9	80	120	0	0		
Cobalt	44.36	1.0	50	0	88.7	80	120	0	0		
Copper	45.76	2.0	50	0	91.5	80	120	0	0		
Molybdenum	46.51	1.0	50	0	93	80	120	0	0		
Nickel	43.08	1.0	50	0	86.2	80	120	0	0		
Selenium	43.09	1.0	50	0	86.2	80	120	0	0		
Silver	43.22	1.0	50	0	86.4	80	120	0	0		
Thallium	43.23	1.0	50	0	86.5	80	120	0	0		
Vanadium	46.3	1.0	50	0	92.6	80	120	0	0		
Zinc	41.91	1.0	50	0	83.8	80	120	0	0		

Sample ID **LCS-17651** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	255.6	1.0	250	0	102	80	120	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	71.66	1.0	125	0	57.3	23	118	0	0		
Arsenic	29.3	1.0	125	0	23.4	64	111	0	0		S
Barium	197.8	1.0	125	98.84	79.2	36	146	0	0		
Beryllium	94.08	1.0	125	0	75.3	50	120	0	0		
Cadmium	95.19	1.0	125	0.5984	75.7	62	107	0	0		
Chromium	106.9	1.0	125	12.96	75.2	63	119	0	0		

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DO- Surrogate dilute out
H - Sample exceeded holding time

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Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	91.15	1.0	125	3.439	70.2	63	111	0	0		
Copper	150	1.0	125	55.57	75.5	58	136	0	0		
Molybdenum	98.56	1.0	125	2.68	76.7	63	116	0	0		
Nickel	101.9	1.0	125	15.84	68.9	57	116	0	0		
Selenium	94.15	1.0	125	0	75.3	47	118	0	0		
Silver	106.6	1.0	125	0	85.3	48	125	0	0		
Thallium	89.22	1.0	125	0	71.4	49	116	0	0		
Vanadium	112.7	1.0	125	17.6	76.1	65	122	0	0		
Zinc	304.7	1.0	125	198.8	84.7	36	140	0	0		

Sample ID **067963-009AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.4	1.0	125	131.5	51.1	47	125	0	0		

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	78.93	1.0	125	0	63.1	23	118	71.66	9.65	20	
Arsenic	25.43	1.0	125	0	20.3	64	111	29.3	14.1	20	S
Barium	219.2	1.0	125	98.84	96.3	36	146	197.8	10.3	20	
Beryllium	106.4	1.0	125	0	85.1	50	120	94.08	12.3	20	
Cadmium	104.3	1.0	125	0.5984	83	62	107	95.19	9.15	20	
Chromium	124.5	1.0	125	12.96	89.2	63	119	106.9	15.2	20	
Cobalt	104.8	1.0	125	3.439	81.1	63	111	91.15	14.0	20	
Copper	193.3	1.0	125	55.57	110	58	136	150	25.2	20	R
Molybdenum	109.6	1.0	125	2.68	85.6	63	116	98.56	10.6	20	
Nickel	116.4	1.0	125	15.84	80.4	57	116	101.9	13.2	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	108.5	1.0	125	0	86.8	47	118	94.15	14.2	20	
Silver	115.1	1.0	125	0	92.1	48	125	106.6	7.67	20	
Thallium	95.57	1.0	125	0	76.5	49	116	89.22	6.87	20	
Vanadium	129.6	1.0	125	17.6	89.6	65	122	112.7	14.0	20	
Zinc	336.9	1.0	125	198.8	111	36	140	304.7	10.1	20	

Sample ID **067963-009AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040403I**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/3/2004** SeqNo: **546437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	218.9	1.0	125	131.5	69.9	47	125	195.4	11.4	20	

Sample ID **067963-009ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **3/31/2004** Run ID: **ICP5_040402E**
Client ID: **ZZZZZ** Batch ID: **17651** TestNo: **EPA 6010B** **(EPA 3050A)** Analysis Date: **4/2/2004** SeqNo: **545785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	1.0	0	0	0	0	0	0	0	20	
Arsenic	ND	1.0	0	0	0	0	0	0	0	20	
Barium	116.8	1.0	0	0	0	0	0	98.84	16.6	20	
Beryllium	ND	1.0	0	0	0	0	0	0	0	20	
Cadmium	ND	1.0	0	0	0	0	0	0.5984	0	20	
Chromium	15.74	1.0	0	0	0	0	0	12.96	19.4	20	
Cobalt	3.547	1.0	0	0	0	0	0	3.439	3.09	20	
Copper	37.92	1.0	0	0	0	0	0	55.57	37.8	20	R
Molybdenum	2.714	1.0	0	0	0	0	0	2.68	1.25	20	
Nickel	14.05	1.0	0	0	0	0	0	15.84	12.0	20	
Selenium	ND	1.0	0	0	0	0	0	0	0	20	
Silver	ND	1.0	0	0	0	0	0	0	0	20	
Thallium	ND	1.0	0	0	0	0	0	0	0	20	
Vanadium	18.11	1.0	0	0	0	0	0	17.6	2.81	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	067963-009ADUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040402E
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/2/2004	SeqNo:	545785

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	203.3	1.0	0	0	0	0	0	198.8	2.24	20	

Sample ID	067963-009ADUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	3/31/2004	Run ID:	ICP5_040403I
Client ID:	ZZZZZ	Batch ID:	17651	TestNo:	EPA 6010B	(EPA 3050A)		Analysis Date:	4/3/2004	SeqNo:	546435

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	149.6	1.0	0	0	0	0	0	131.5	12.9	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-17668	MBLK	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-17668	LCS	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.886	0.10	2.08	0	90.7	80	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMS	MS	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545007

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7666	0.10	0.83	0.0475	86.6	62	146	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002AMSD	MSD	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545008

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.743	0.10	0.83	0.0475	83.8	62	146	0.7666	3.12	30	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
067959-002ADUP	DUP	7471_S	mg/Kg	4/1/2004	AA1_040401C
Client ID: ZZZZZ	Batch ID: 17668	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 4/1/2004	SeqNo: 545006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0	0	0	0	0	0.0475	0	30	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *16-Apr-04*

CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID	MB-17813	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552783

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17813A	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552784

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17813B	SampType:	mblk	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552798

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17813	SampType:	lcs	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	ZZZZZ	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552785

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.246	0.25	5	0	105	80	120	0	0		

Sample ID	067962-009AMS	SampType:	MS	TestCode:	7420_DI	Units:	mg/L	Prep Date:		Run ID:	AA2_040414D
Client ID:	710-107-S	Batch ID:	R37150	TestNo:	WET DI/ EPA			Analysis Date:	4/14/2004	SeqNo:	552797

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.464	0.25	5	0.2293	105	70	130	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067962
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID **067988-040AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.833	0.25	5	0.5511	106	70	130	0	0		

Sample ID **067962-009ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **710-107-S** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.2293	0	20	

Sample ID **067988-040ADUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: Run ID: **AA2_040414D**
Client ID: **ZZZZZ** Batch ID: **R37150** TestNo: **WET DI/ EPA** Analysis Date: **4/14/2004** SeqNo: **552809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.5581	0.25	0	0	0	0	0	0.5511	1.27	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04

PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 15

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. Perform TCLP on all samples with total Pb >1,000 mg/kg, or samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067962-001	710-105-S		3/18/04	308	soil	1	X
-002	710-105-0.3			311			
-003	710-105-0.6			316			
-004	710-105-0.9			318			
-005	710-106-S			310			
-006	710-106-0.3			314			
-007	710-106-0.6			319			
-008	710-106-0.9			325			
-009	710-107-S			310			
-010	710-107-0.3			311			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421 - GROUP 15

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067962-01	710-107-6.6		3/18/04	313	soil	1	X
-02	710-107-6.9			316			
-03	710-108-5			326			
-04	710-108-0.3			329			
-05	710-108-0.6			330			
-06	710-108-0.9			333			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

May 04, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 068750

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on April 30, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 5/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068750
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	4/30/2004 3:15:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068750-001A	710-166-0.3	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-002A	710-166-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-003A	710-167-0.3	7.1	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-004A	710-167-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-005A	710-168-0.3	5.9	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-006A	710-168-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-007A	710-169-0.3	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-008A	710-169-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-009A	710-170-0.3	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-010A	710-170-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-011A	710-171-0.3	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 5/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068750
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	4/30/2004 3:15:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068750-012A	710-171-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-013A	710-172-0.3	6.8	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-014A	710-172-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-015A	710-173-0.3	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004
068750-016A	710-173-0.9	ND	mg/Kg	18109	5	1	4/30/2004	5/4/2004

Qualifiers:

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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 5/5/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	068750
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	4/30/2004 3:15:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068750-017A	710EB-101	ND	mg/L	18118	0.25	1	4/30/2004	5/4/2004
068750-018A	710EB-102	ND	mg/L	18118	0.25	1	4/30/2004	5/4/2004

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 5/6/2004

pH
EPA 9045C

CLIENT:	Geocon Environmental	**Lab Order:**	068750
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	4/30/2004 3:15:0
Project No:		**Matrix:**	Soil
PO No:		**Analyst:**	MJM

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
068750-003A	710-167-0.3	7.77	pH Units	R37747	0.1	1	4/30/2004	5/5/2004
068750-005A	710-168-0.3	8.23	pH Units	R37747	0.1	1	4/30/2004	5/5/2004
068750-009A	710-170-0.3	8.19	pH Units	R37747	0.1	1	4/30/2004	5/5/2004
068750-013A	710-172-0.3	7.85	pH Units	R37747	0.1	1	4/30/2004	5/5/2004

Qualifiers:

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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *04-May-04*

CLIENT: Geocon Environmental
Work Order: 068750
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID	MB-18109A	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	5/3/2004	Run ID:	ICP5_040504B
Client ID:	ZZZZZ	Batch ID:	18109	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	5/4/2004	SeqNo:	560016

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	MB-18109B	SampType:	MBLK	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	5/3/2004	Run ID:	ICP5_040504B
Client ID:	ZZZZZ	Batch ID:	18109	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	5/4/2004	SeqNo:	560030

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID	LCS-18109	SampType:	LCS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	5/3/2004	Run ID:	ICP5_040504B
Client ID:	ZZZZZ	Batch ID:	18109	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	5/4/2004	SeqNo:	560017

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250.6	5.0	250	0	100	80	120	0	0		

Sample ID	068750-010AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	5/3/2004	Run ID:	ICP5_040504B
Client ID:	710-170-0.9	Batch ID:	18109	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	5/4/2004	SeqNo:	560029

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	179.2	5.0	250	2.408	70.7	47	125	0	0		

Sample ID	068750-016AMS	SampType:	MS	TestCode:	6010_SPB	Units:	mg/Kg	Prep Date:	5/3/2004	Run ID:	ICP5_040504B
Client ID:	710-173	Batch ID:	18109	TestNo:	EPA 6010B	(EPA 3050M)		Analysis Date:	5/4/2004	SeqNo:	560038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	184.8	5.0	250	2.41	73	47	125	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068750
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID 068750-016AMSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/3/2004	Run ID: ICP5_040504B
Client ID: 710-173	Batch ID: 18109	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 5/4/2004	SeqNo: 560039

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	180.3	5.0	250	2.41	71.2	47	125	184.8	2.47	20	

Sample ID 068750-010ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/3/2004	Run ID: ICP5_040504B
Client ID: 710-170-0.9	Batch ID: 18109	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 5/4/2004	SeqNo: 560028

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.408	0	20	

Sample ID 068750-016ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/3/2004	Run ID: ICP5_040504B
Client ID: 710-173	Batch ID: 18109	TestNo: EPA 6010B	(EPA 3050M)	Analysis Date: 5/4/2004	SeqNo: 560037

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0	0	0	0	0	0	2.41	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 068750
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
MB-18118	MBLK	6010_WPB	mg/L	5/4/2004	ICP5_040504C
Client ID: ZZZZZ	Batch ID: 18118	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 5/4/2004	SeqNo: 560259

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
LCS-18118	LCS	6010_WPB	mg/L	5/4/2004	ICP5_040504C
Client ID: ZZZZZ	Batch ID: 18118	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 5/4/2004	SeqNo: 560260

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.117	0.25	1	0	112	85	115	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068750-018AMS	MS	6010_WPB	mg/L	5/4/2004	ICP5_040504C
Client ID: 710EB-102	Batch ID: 18118	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 5/4/2004	SeqNo: 560264

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.747	0.25	2.5	0.1291	105	67	120	0	0		

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068750-018AMSD	MSD	6010_WPB	mg/L	5/4/2004	ICP5_040504C
Client ID: 710EB-102	Batch ID: 18118	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 5/4/2004	SeqNo: 560265

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.396	0.25	2.5	0.1291	90.7	67	120	2.747	13.6	20	

Sample ID	SampType	TestCode	Units	Prep Date	Run ID
068750-018ADUP	DUP	6010_WPB	mg/L	5/4/2004	ICP5_040504C
Client ID: 710EB-102	Batch ID: 18118	TestNo: EPA 6010B	(EPA 3010A)	Analysis Date: 5/4/2004	SeqNo: 560263

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0.1291	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *06-May-04*

CLIENT: Geocon Environmental
Work Order: 068750
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID **068750-013ADUP**	SampType: **DUP**	TestCode: **9045_S**	Units: **pH Units**	Prep Date: **5/5/2004**	Run ID: **WETCHEM_040505C**
Client ID: **710-172-0.3**	Batch ID: **R37747**	TestNo: **EPA 9045C**		Analysis Date: **5/5/2004**	SeqNo: **560949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.75	0.10	0	0	0	0	0	7.85	1.28	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 4/30/04

PAGE: 1 OF 2

CLIENT: Geocon Burbank

ADDRESS: 3303 N. San Fernando Blvd., Suite 100

CITY: Burbank

TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111

PROJECT CONTACT: Mike Conkle

SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO:

FIELD NOTES: EA129421 - GROUP 16

TURNAROUND TIME: Total Pb 48 HR, all others 5 day

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

If total Pb is >50 and <1,000 mg/kg analyze for STLC by WET-Citric. If WET-Citric results are >5 mg/l analyze using DI-WET. Analyze a minimum of 25% of samples for TCLP. ~~Perform TCLP on all samples with total Pb >1,000 mg/kg, or~~ Perform Pb and perform TCLP on 4 samples with highest total Pb concentrations. Analyze 10% of samples, or a minimum of 4 samples, for pH. Analyze 2 samples with highest total Pb concetrations for Title 22 metals.

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
	710-166-0.3		4/30	10:36	soil	1	X
	710-166-0.9			10:45			X
	710-167-0.3			10:35			X
	710-167-0.9			10:42			X
	710-168-0.3			10:58			X
	710-168-0.9			11:08			X
	710-169-0.3			10:53			X
	710-169-0.9			10:59			X
	710-170-0.3			1120			X
	710-170-0.9			1134			X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		4/30/04	3:15
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 4/30/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129421 - GROUP 16

TURNAROUND TIME: Total Pb 48 HR, all others 5 day

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL / /

SPECIAL INSTRUCTIONS

See Page 1

REQUESTED ANALYSIS: Lead

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.
	710-171-0.3		4/30	11:20	soil	
	710-171-0.9			11:25		
	710-172-0.3			12:00		
	710-172-0.9			12:08		
	710-173-0.3			11:58		
	710-173-0.9			12:08		
	710EB-101			12:14		
	710EB-102			12:15		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		4/30/04	3:15
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 4/30/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 | FAX: 818-841-1704 | E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO:
FIELD NOTES: EA129421 - GROUP 16

TURNAROUND TIME: Total Pb 48 HR, all others 5 day

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
See Page 1

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
	710-171		4/30	11:20	soil		
	710-171			11:25			
	710-172			12:00			
	710-172			12:09			
	710-173			11:58			
	710-173			12:08			
	710EB-101			12:14			
	710EB-102			12:15			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		4/30/04	3:15
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067940

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067940
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067940-001A	710-EB-7B	ND	mg/L	17503	0.25	1	3/19/2004	3/24/2004
067940-002A	710-EB-8B	ND	mg/L	17503	0.25	1	3/19/2004	3/24/2004
067940-003A	710-EB-9B	ND	mg/L	17503	0.25	1	3/19/2004	3/24/2004
067940-004A	710-EB-10B	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-005A	710-EB-11B	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-006A	710-EB-12B	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-007A	710-EB-13B	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-008A	710-EB-9A	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-009A	710-EB-10A	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-010A	710-EB-11A	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-011A	710-EB-12A	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067940
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 2:16:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067940-012A	710-EB-13A	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004
067940-013A	710-EB-14A	ND	mg/L	17504	0.25	1	3/19/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067940
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	MB-17503	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324F
Client ID:	ZZZZZ	Batch ID:	17503	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540114

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17504	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP5_040324G
Client ID:	ZZZZZ	Batch ID:	17504	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540369

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17503	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324F
Client ID:	ZZZZZ	Batch ID:	17503	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540115

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.98	0.25	1	0	98	85	115	0	0		

Sample ID	LCS-17504	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP5_040324G
Client ID:	ZZZZZ	Batch ID:	17504	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540370

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.8916	0.25	1	0	89.2	85	115	0	0		

Sample ID	067948-005AMS	SampType:	MS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324F
Client ID:	ZZZZZ	Batch ID:	17503	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540121

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.2	0.25	2.5	0.49	108	67	120	0	0		

Qualifiers:
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Calculations are based on raw values
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H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067940
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	067940-013AMS	SampType:	MS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP5_040324G
Client ID:	710-EB-14A	Batch ID:	17504	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540382

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.19	0.25	2.5	0	87.6	67	120	0	0		

Sample ID	067948-005AMSD	SampType:	MSD	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324F
Client ID:	ZZZZZ	Batch ID:	17503	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540122

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.95	0.25	2.5	0.49	98.4	67	120	3.2	8.13	20	

Sample ID	067948-005ADUP	SampType:	DUP	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324F
Client ID:	ZZZZZ	Batch ID:	17503	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540120

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.55	0.25	0	0	0	0	0	0.49	11.5	20	

Sample ID	067940-013ADUP	SampType:	DUP	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP5_040324G
Client ID:	710-EB-14A	Batch ID:	17504	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540381

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067940-001	710-EB- 7B		3/18/04	955	water	1	X
-002	710-EB- 8B			1010			
-003	710-EB- 9B			1020			
-004	710-EB- 10B			1130			
-005	710-EB- 11B			1135			
-006	710-EB- 12B			1210			
-007	710-EB- 13B			1220			
	~~710-EB-~~						
	710-EB-						
	~~710-EB-~~						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:16
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/19/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)

LAB WORKORDER NO.:
FIELD NOTES: EA129421

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0607940-008	710-EB-9A		3/19/04	9:00	water		X
-009	710-EB-10A			920			
-010	710-EB-11A			930			
-011	710-EB-12A			956			
-012	710-EB-13A			1030			
-013	710-EB-14A			1130			
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	2:18
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

March 25, 2004

Mike Conkle
Geocon Environmental
3303 N. San Fernando Blvd., Suite 100
Burbank, CA 91504
TEL: (818) 841-8388
FAX: (818) 841-1704

ELAP No.: 1838
NELAP No.: 02107CA
Workorder No.: 067957

RE: Route 60 KP 18.8-37.0/09100-06-111

Attention: Mike Conkle

Enclosed are the results for sample(s) received on March 19, 2004 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067957
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067957-001A	710-EB-1A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-002A	710-EB-2A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-003A	710-EB-3A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-004A	710-EB-4A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-005A	710-EB-5A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-006A	710-EB-6A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-007A	710-EB-7A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-008A	710-EB-8A	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-009A	710-EB-1B	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-010A	710-EB-2B	ND	mg/L	17505	0.25	1	3/18/2004	3/24/2004
067957-011A	710-EB-3B	ND	mg/L	17506	0.25	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike/Surrogate outside of limits due to matrix interfere
H - Sample exceeded analytical holding time
E - Value above quantitation range
Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/25/2004

LEAD BY ICP
EPA 6010B

CLIENT:	Geocon Environmental	**Lab Order:**	067957
Project:	Route 60 KP 18.8-37.0/09100-06-111	**Date Received:**	3/19/2004 3:50:0
Project No:		**Matrix:**	Water
PO No:		**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
067957-012A	710-EB-4B	ND	mg/L	17506	0.25	1	3/18/2004	3/24/2004
067957-013A	710-EB-5B	ND	mg/L	17506	0.25	1	3/18/2004	3/24/2004
067957-014A	710-EB-6B	ND	mg/L	17506	0.25	1	3/18/2004	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Mar-04*

CLIENT: Geocon Environmental
Work Order: 067957
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID	MB-17506	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324B
Client ID:	ZZZZZ	Batch ID:	17506	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	539643

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-17505	SampType:	MBLK	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP5_040324H
Client ID:	ZZZZZ	Batch ID:	17505	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540384

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-17506	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324B
Client ID:	ZZZZZ	Batch ID:	17506	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	539637

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1	0	94	85	115	0	0		

Sample ID	LCS-17505	SampType:	LCS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP5_040324H
Client ID:	ZZZZZ	Batch ID:	17505	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	540385

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.9084	0.25	1	0	90.8	85	115	0	0		

Sample ID	067957-014AMS	SampType:	MS	TestCode:	6010_WPB	Units:	mg/L	Prep Date:	3/23/2004	Run ID:	ICP2_040324B
Client ID:	710-EB-6B	Batch ID:	17506	TestNo:	EPA 6010B		(EPA 3010A)	Analysis Date:	3/24/2004	SeqNo:	539644

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25	2.5	0	102	67	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 067957
Project: Route 60 KP 18.8-37.0/09100-06-111

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID **067957-010AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/23/2004** Run ID: **ICP5_040324H**
Client ID: **710-EB-2B** Batch ID: **17505** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/24/2004** SeqNo: **540397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.129	0.25	2.5	0	85.2	67	120	0	0		

Sample ID **067957-014AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/23/2004** Run ID: **ICP2_040324B**
Client ID: **710-EB-6B** Batch ID: **17506** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/24/2004** SeqNo: **539645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.36	0.25	2.5	0	94.4	67	120	2.55	7.74	20	

Sample ID **067957-014ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/23/2004** Run ID: **ICP2_040324B**
Client ID: **710-EB-6B** Batch ID: **17506** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/24/2004** SeqNo: **539642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Sample ID **067957-010ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/23/2004** Run ID: **ICP5_040324H**
Client ID: **710-EB-2B** Batch ID: **17505** TestNo: **EPA 6010B** **(EPA 3010A)** Analysis Date: **3/24/2004** SeqNo: **540396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25	0	0	0	0	0	0	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 1 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
CITY: Burbank
TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
067957-001	710-EB-1A		3/18	~~1220~~ 1100	water	1	X
-002	710-EB-2A			1145			
-003	710-EB-3A			1220			
-004	710-EB-4A			1250			
-005	710-EB-5A			1320			
-006	710-EB-6A			1340			
-007	710-EB-7A			1410			
-008	710-EB-8A			1502			
3A -009	710-EB-						
31902 -010	710-EB-						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755-5225
Tel: 562.989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY

DATE: 3/18/04
PAGE: 2 OF 2

CLIENT: Geocon Burbank
ADDRESS: 3303 N. San Fernando Blvd., Suite 100
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TEL: 818-841-8388 FAX: 818-841-1704 E-MAIL: conkle@geoconinc.com

PROJECT NAME / NUMBER: Route 60 KP 18.8-37.0 / 09100-06-111
PROJECT CONTACT: Mike Conkle
SAMPLER(S): (SIGNATURE)
LAB WORKORDER NO.:
FIELD NOTES: EA129421

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 1 5 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

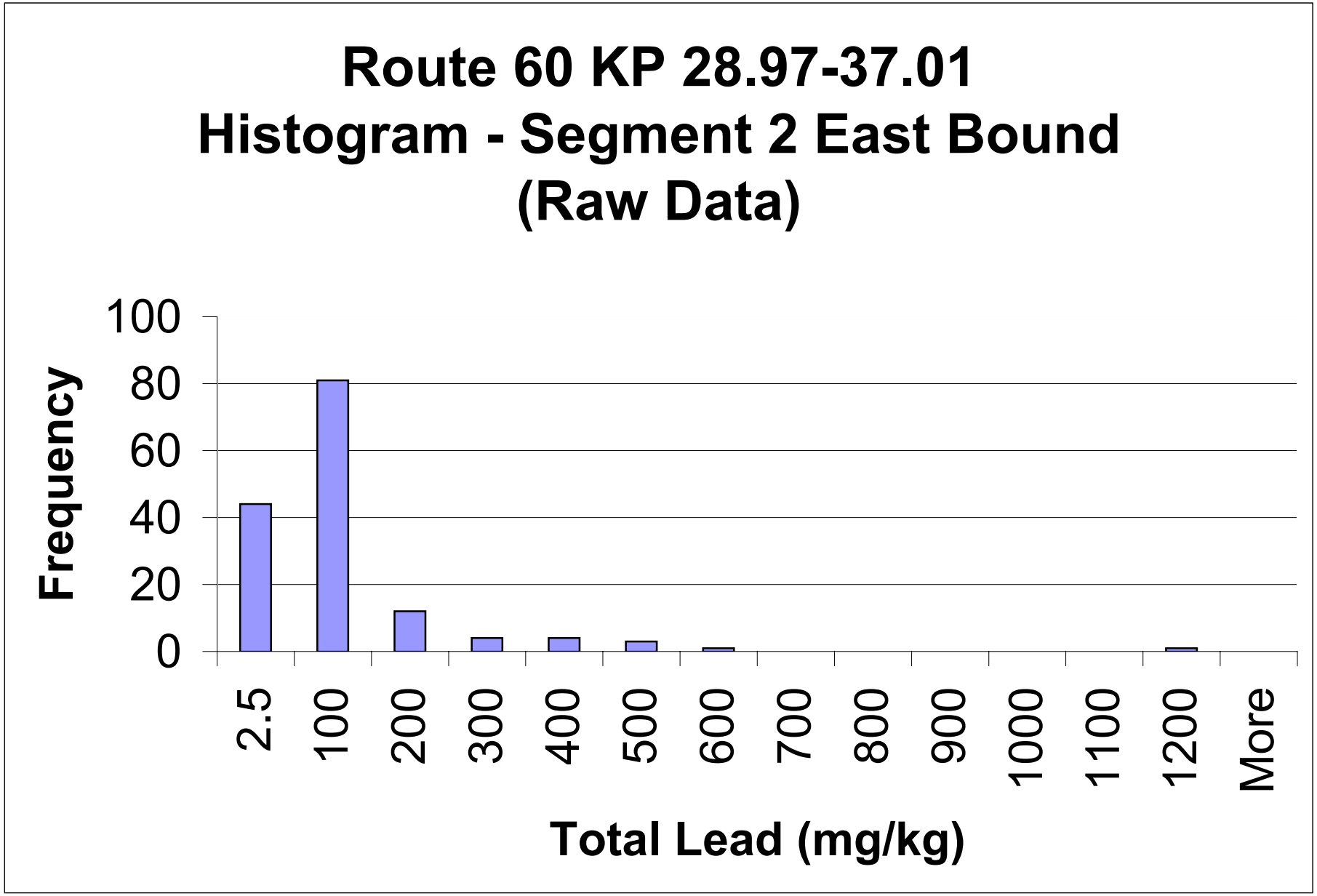
REQUESTED ANALYSIS

LAB ID #	CLIENT SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Lead
0407957-001 009	710-EB-1B		3/18/04	1240	water	1	X
- 002 010	710-EB-2B			1235			
- 003 011	710-EB-3B			1300			
- 004 012	710-EB-4B			1310			
- 005 013	710-EB-5B			1550			
- 006 014	710-EB-6B			1555			
	710-EB-						
	710-EB-						
	710-EB-						
	710-EB-						

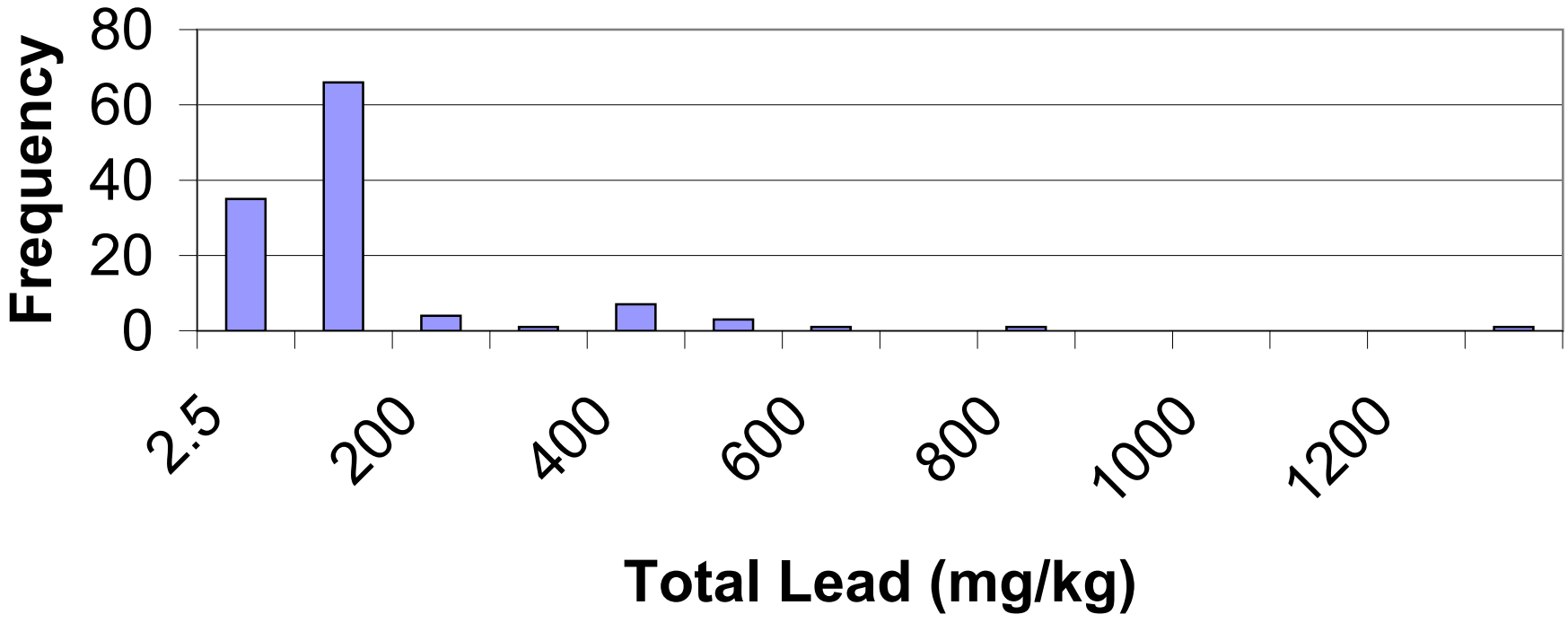
BA 3/19/04

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/19/04	1135
[signature]	[signature]	3/19/04	3:50

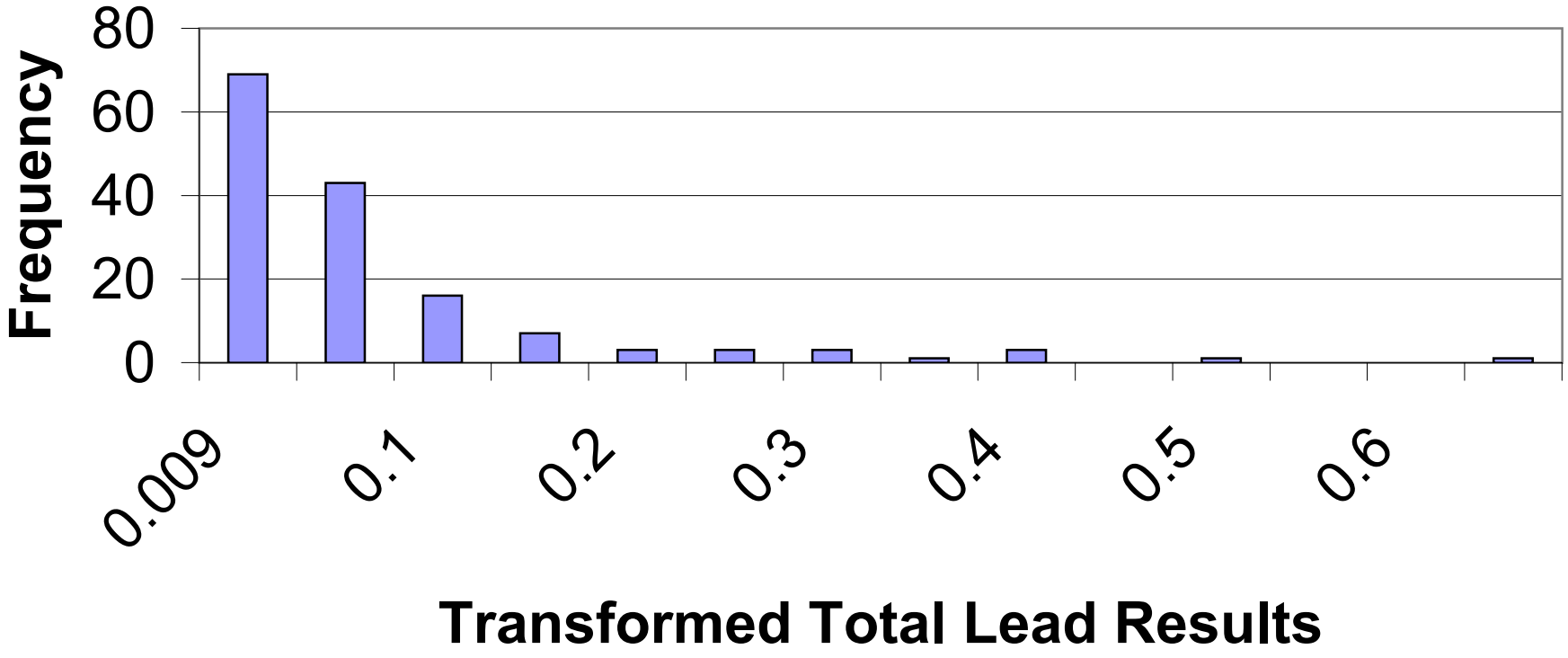
APPENDIX C

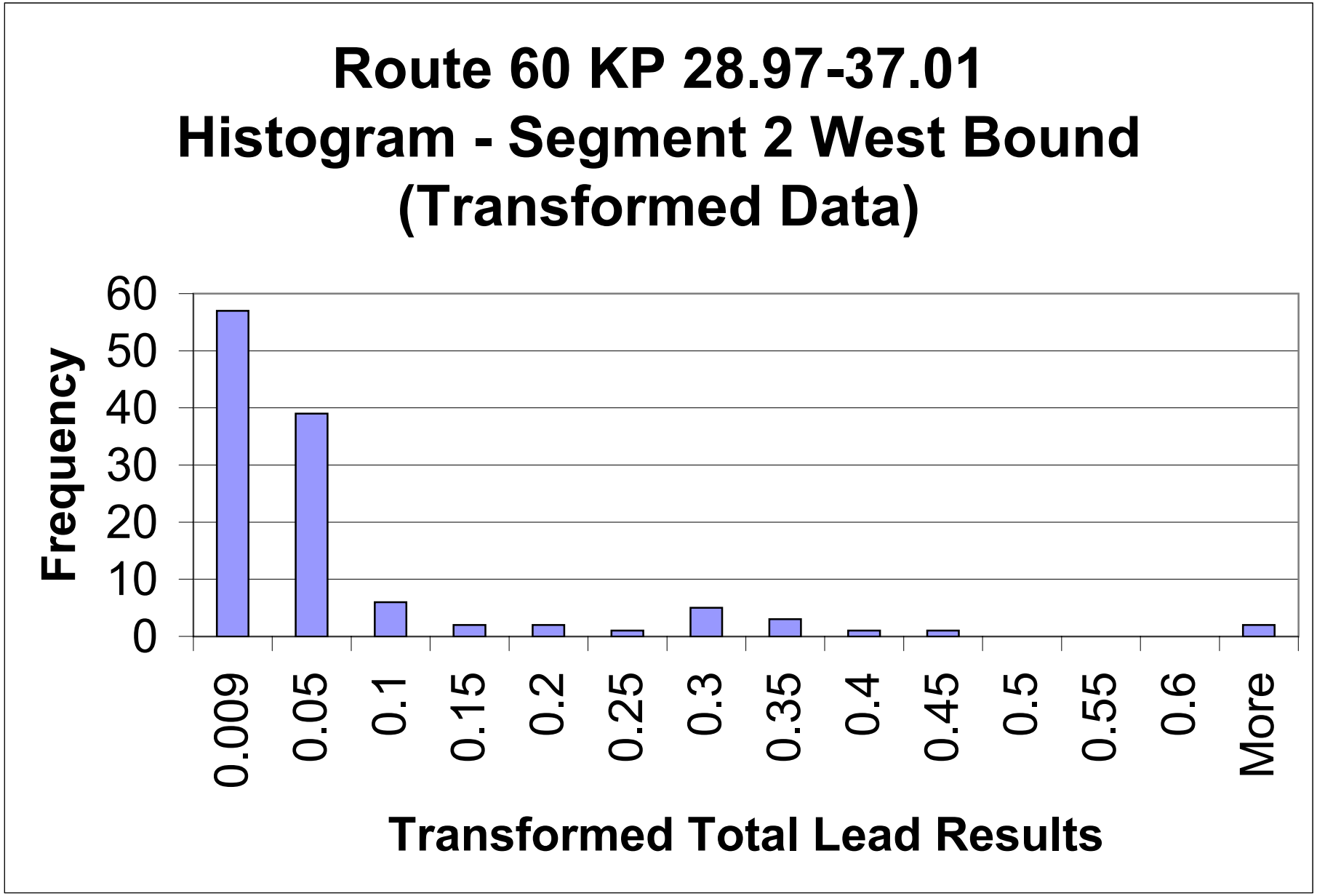

Route 60 KP 28.97-37.01
Histogram - Segment 2 East Bound
(Raw Data)
Frequency
100
80
60
40
20
0
2.5
100
200
300
400
500
600
700
800
900
1000
1100
1200
More
Total Lead (mg/kg)

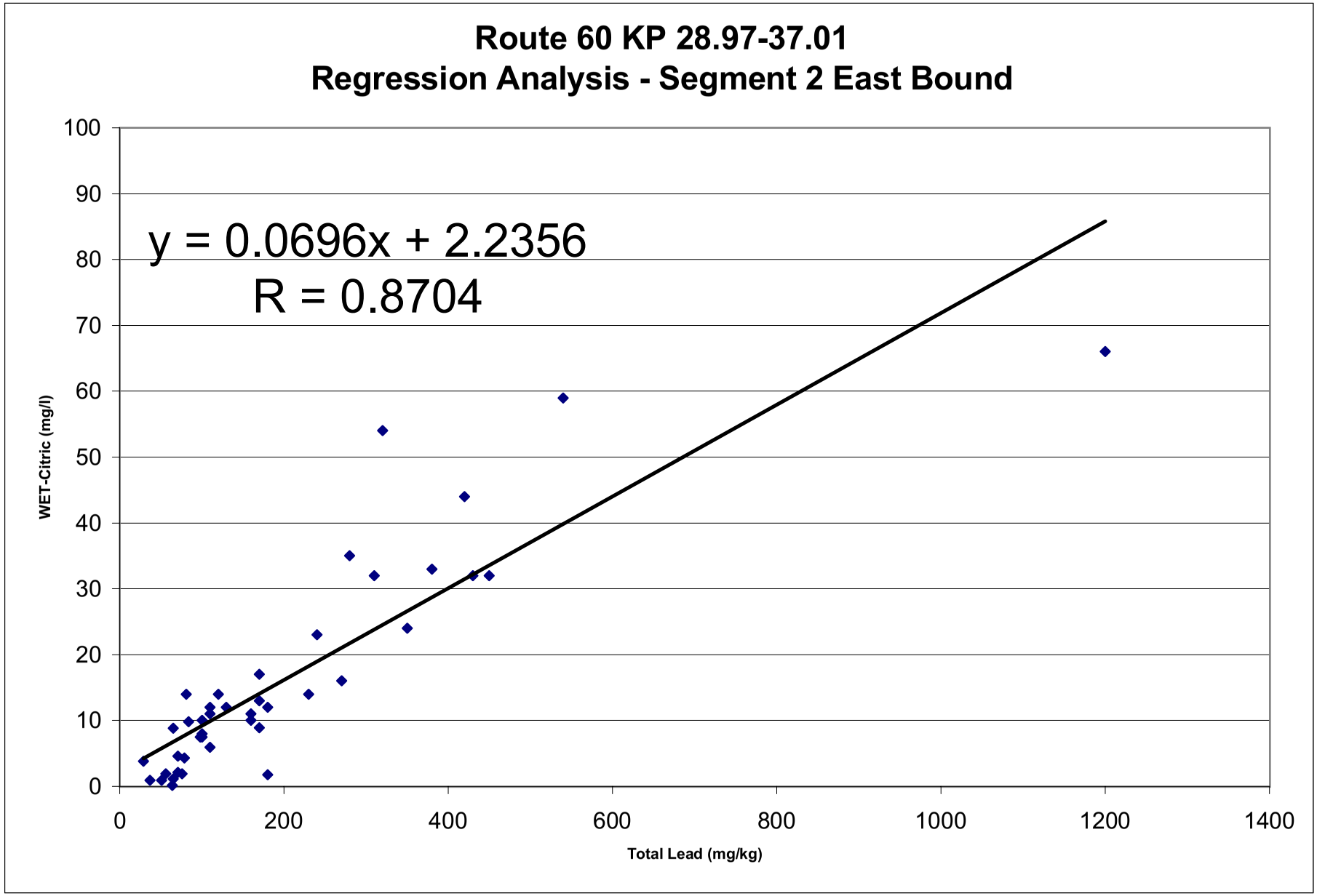
Route 60 KP 28.97-37.01
Histogram - Segment 2 West Bound
(Raw Data)

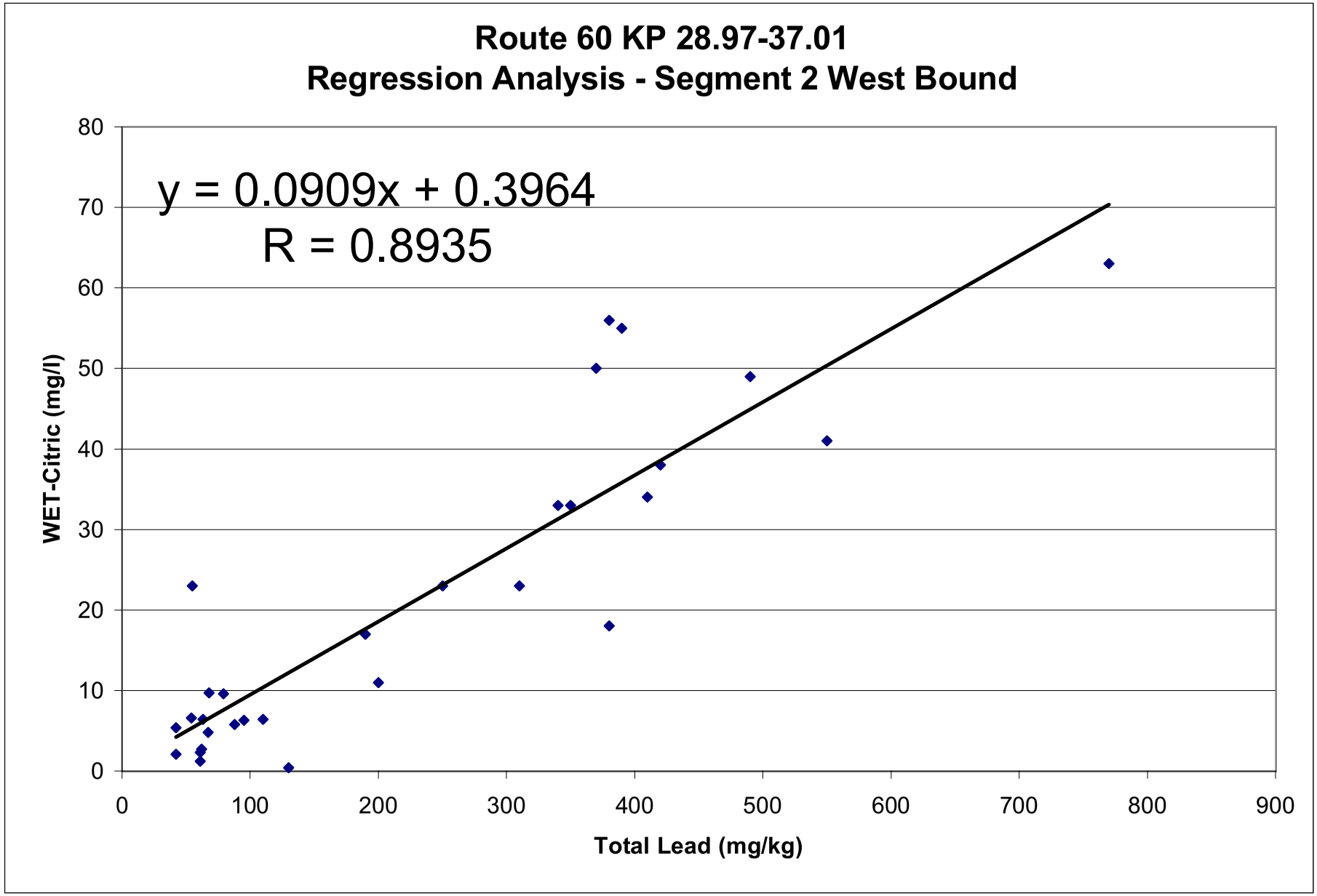


Route 60 KP 28.97-37.01
Histogram - Segment 2 East Bound
(Transformed Data)




Route 60 KP 28.97-37.01
Histogram - Segment 2 West Bound
(Transformed Data)
Frequency
60
50
40
30
20
10
0
0.009
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0.55
0.6
More
Transformed Total Lead Results


Route 60 KP 28.97-37.01
Regression Analysis - Segment 2 East Bound
y = 0.0696x + 2.2356
R = 0.8704
WET-Citric (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
80
90
100
0
200
400
600
800
1000
1200
1400


Route 60 KP 28.97-37.01
Regression Analysis - Segment 2 West Bound
y = 0.0909x + 0.3964
R = 0.8935
WET-Citric (mg/l)
Total Lead (mg/kg)
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700
800
900

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 1
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

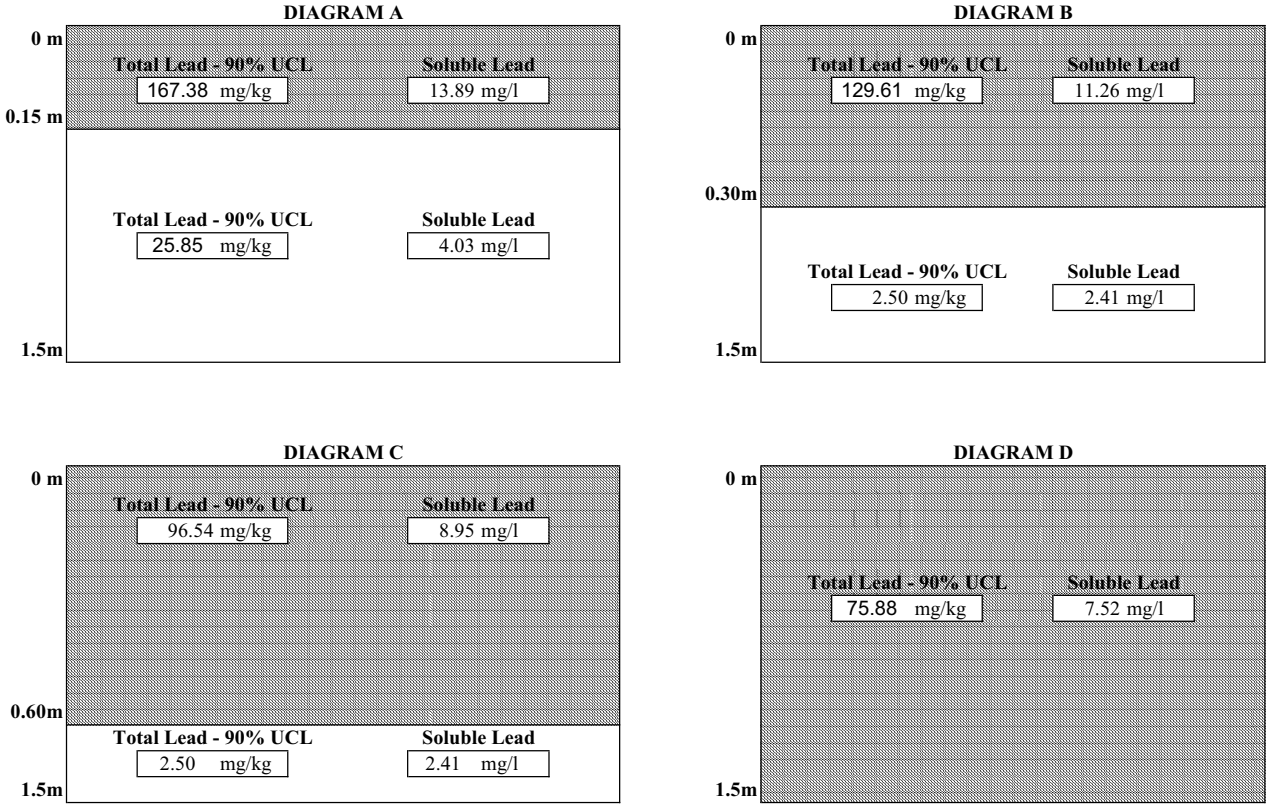


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 167.4 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 25.8 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 1
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

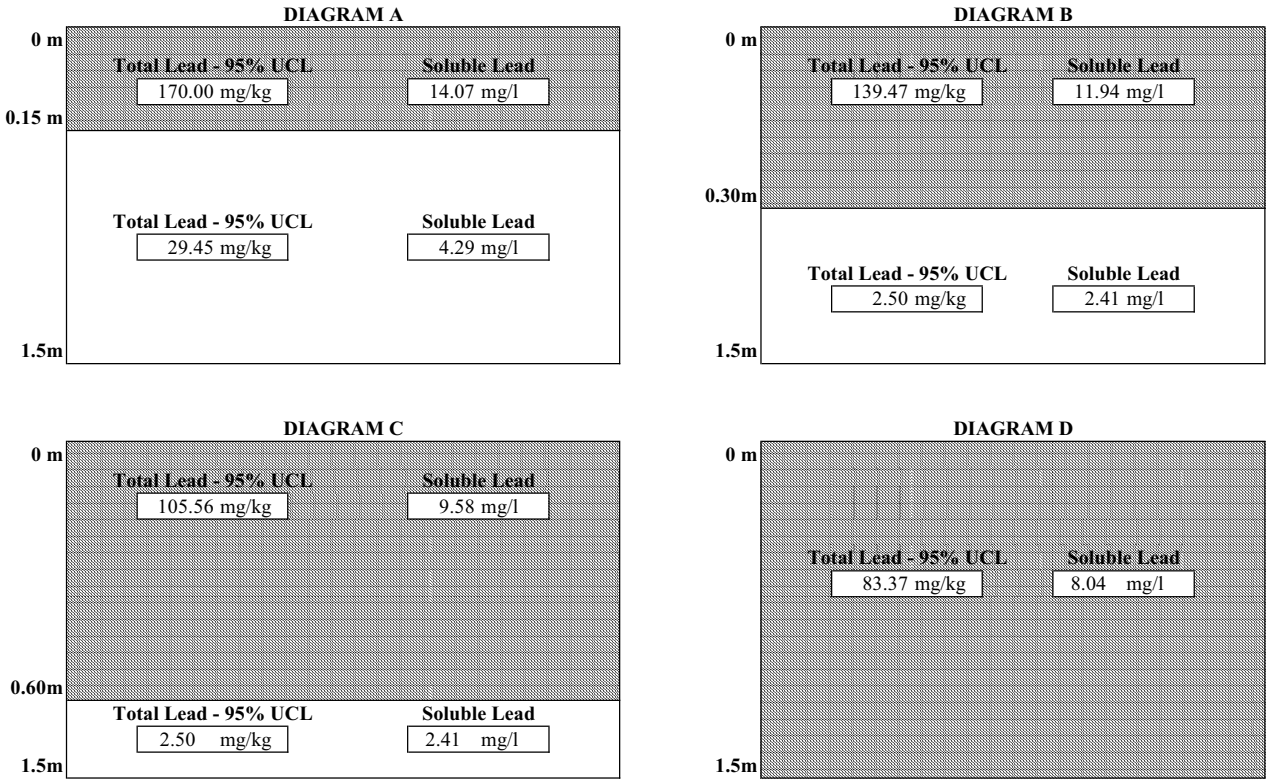


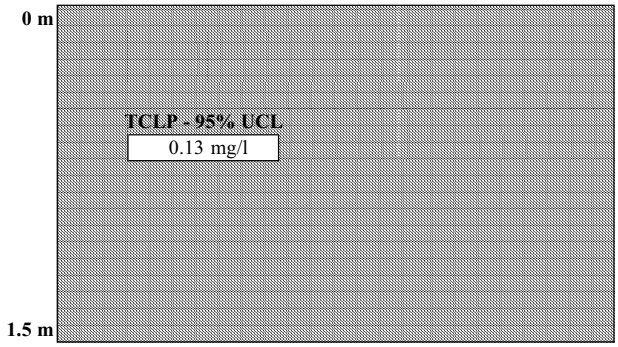
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 170.0 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 29.4 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 1

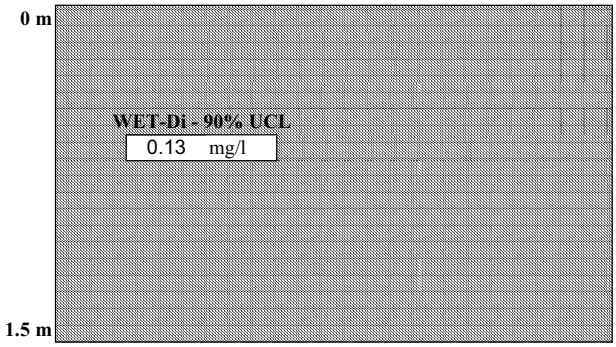
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 1

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 2
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

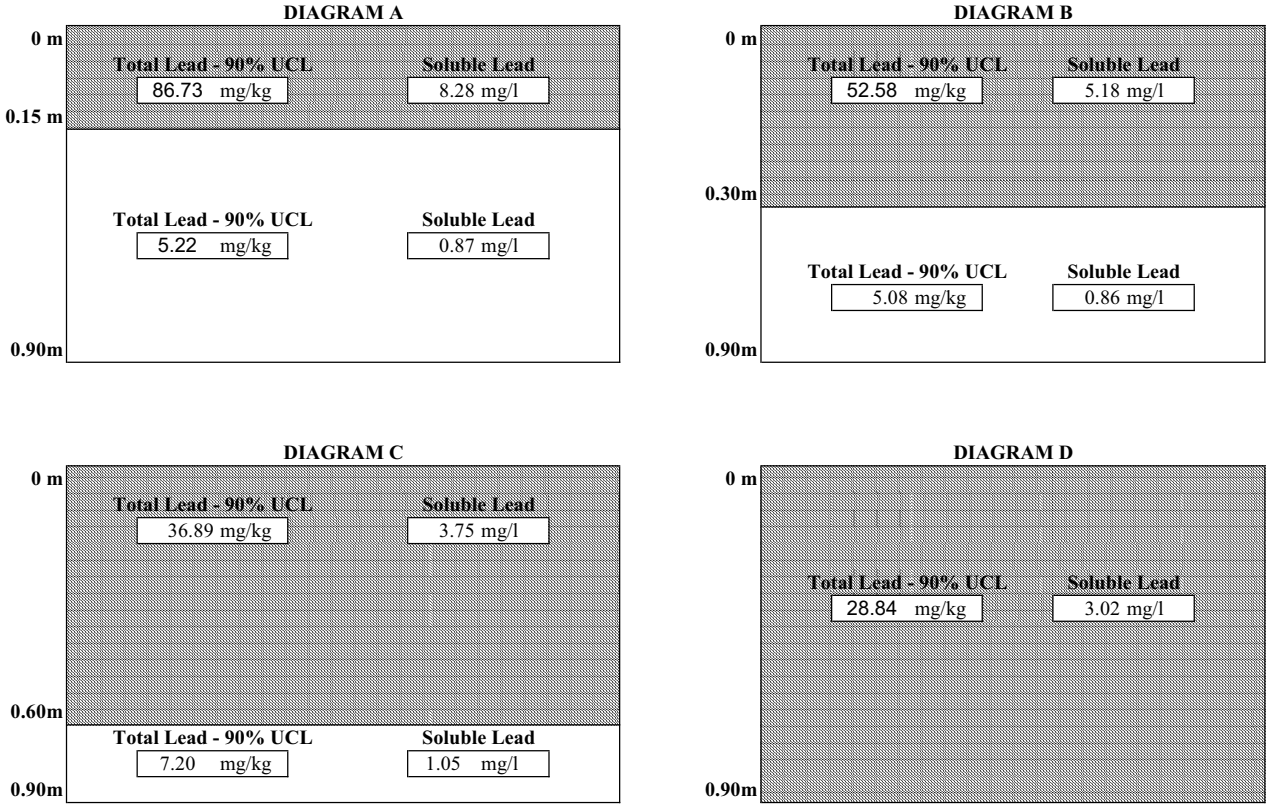


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 86.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 5.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 2
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

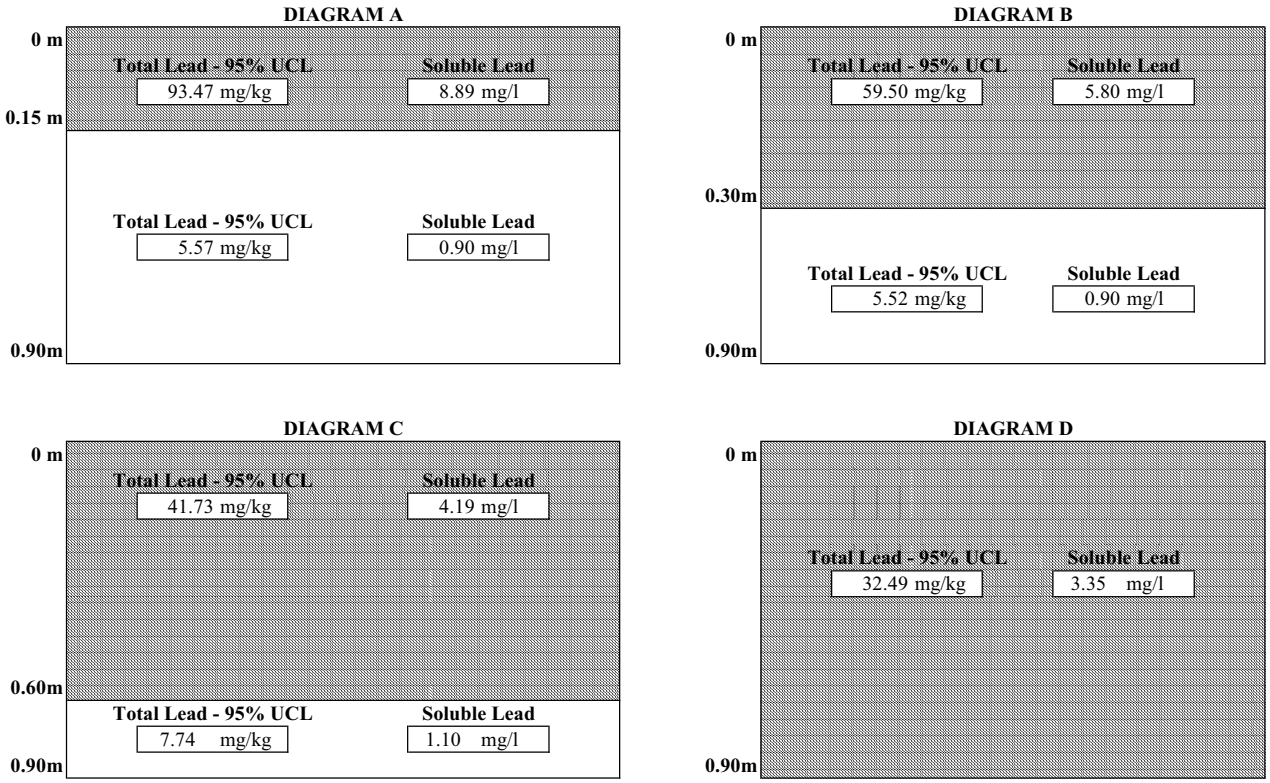


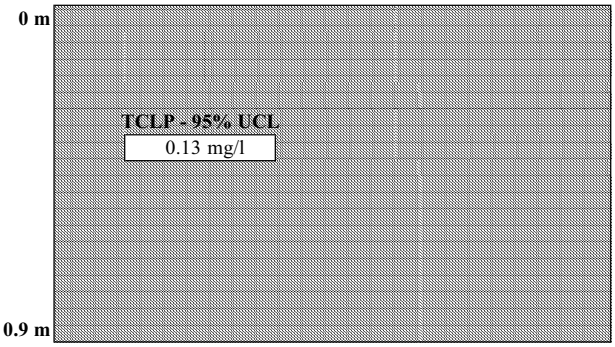
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 93.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 5.6 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 2

Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 3A
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

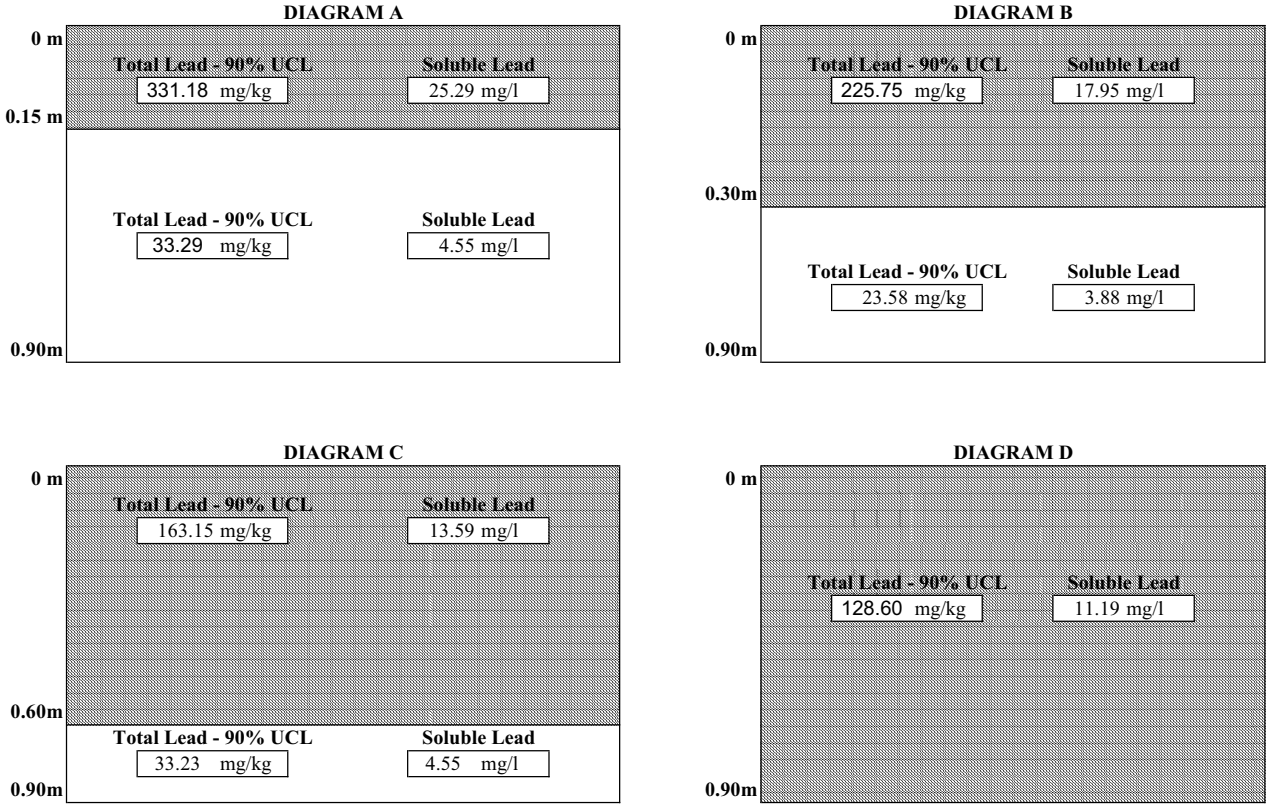


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 331.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 33.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 3A
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

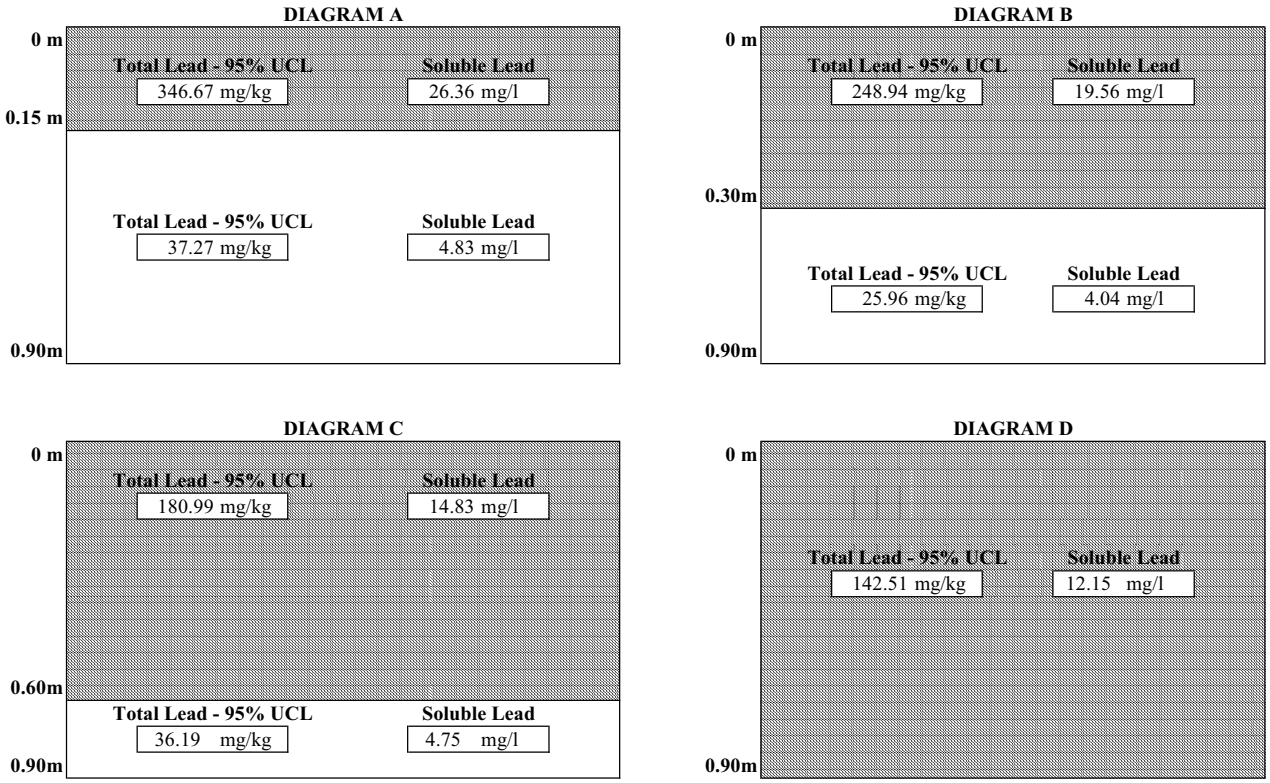
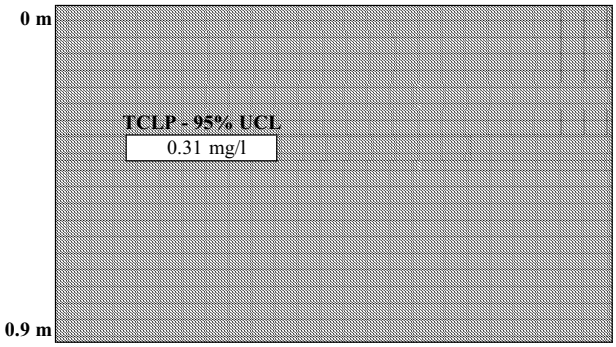


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 346.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 37.3 mg/kg.

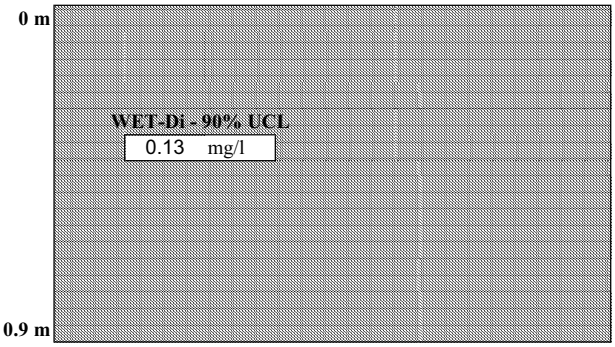
Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 3A



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 3A

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 3B
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

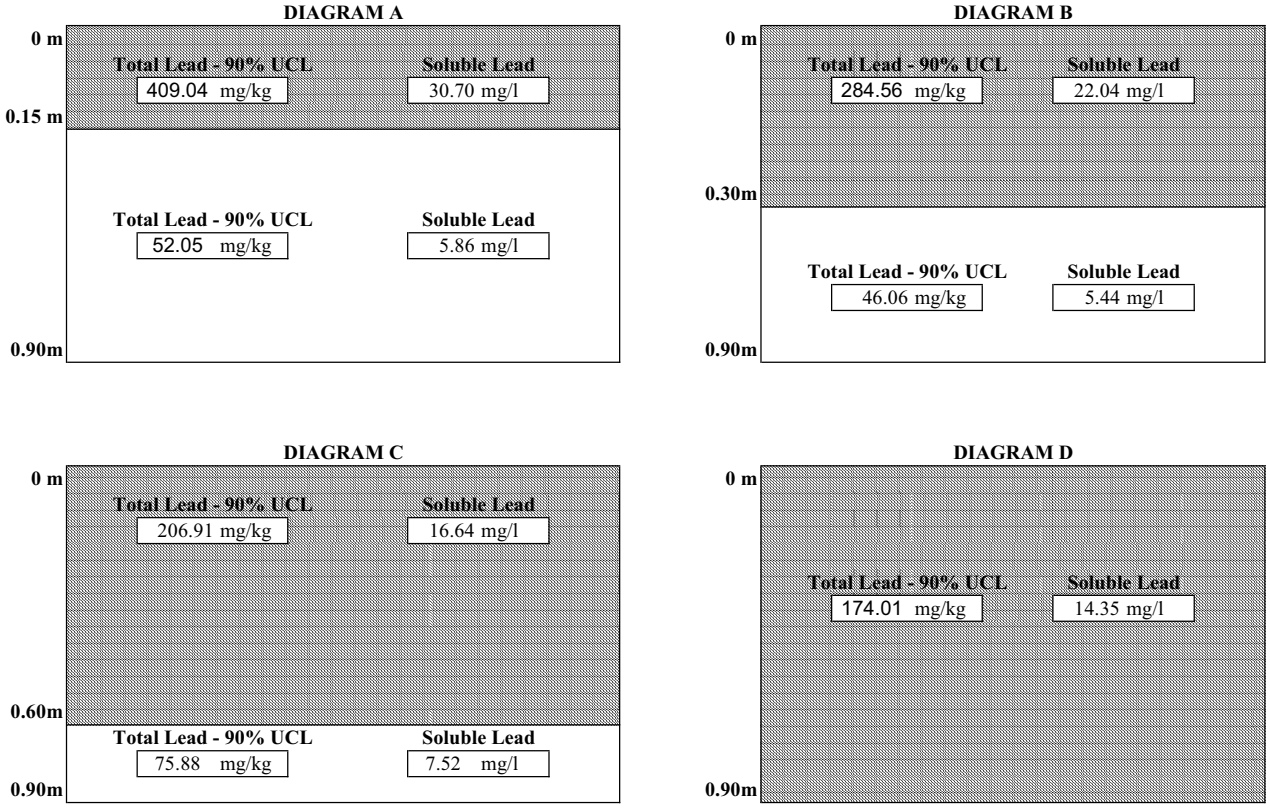


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 409.0 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 52.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 3B
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

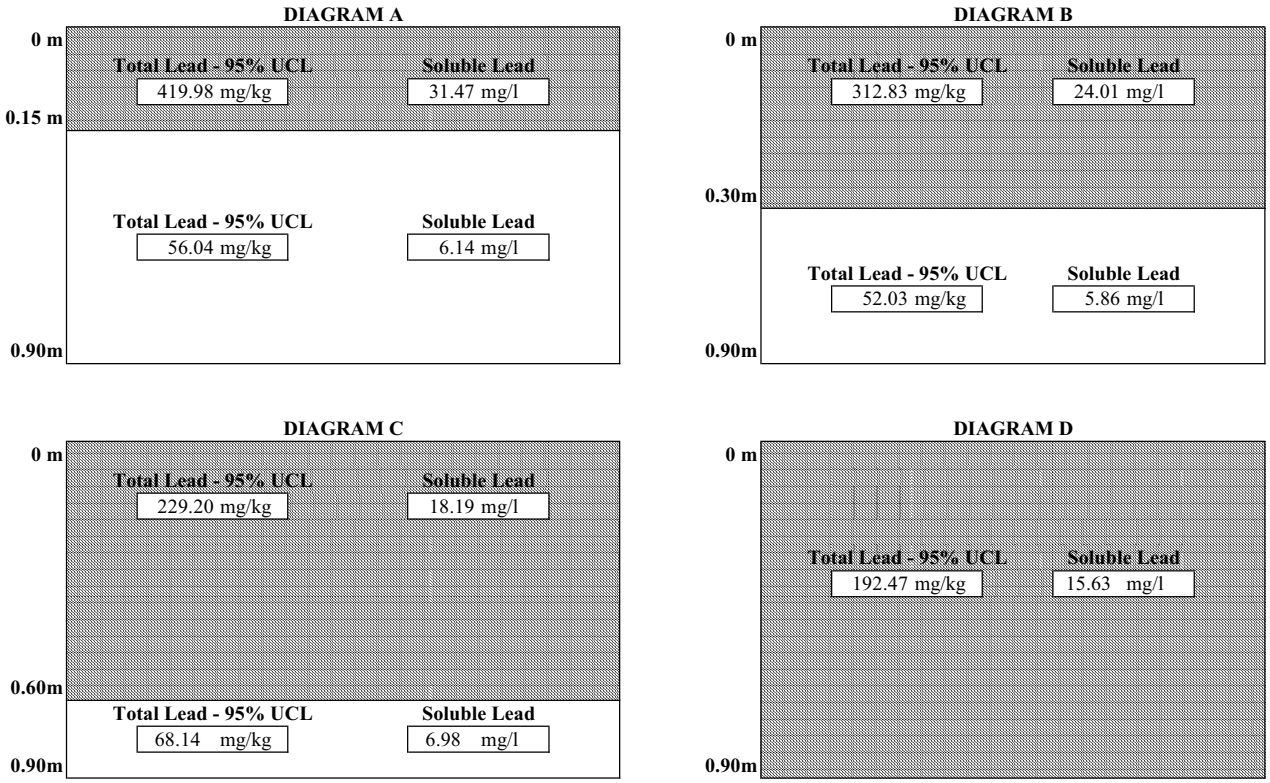


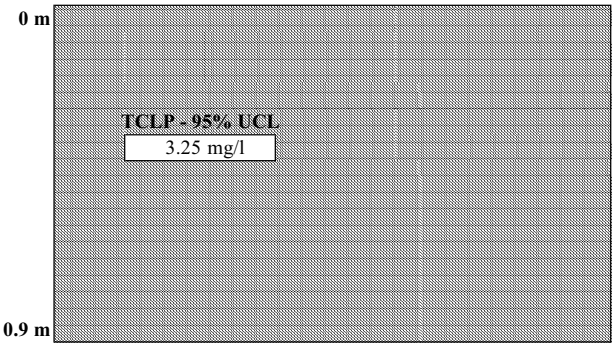
DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 420.0 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 56.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 3B

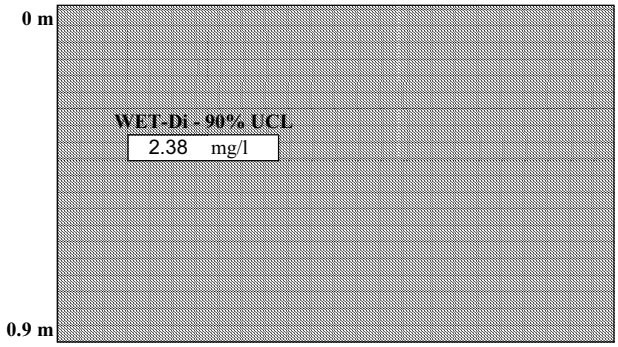
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 3B

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 4
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

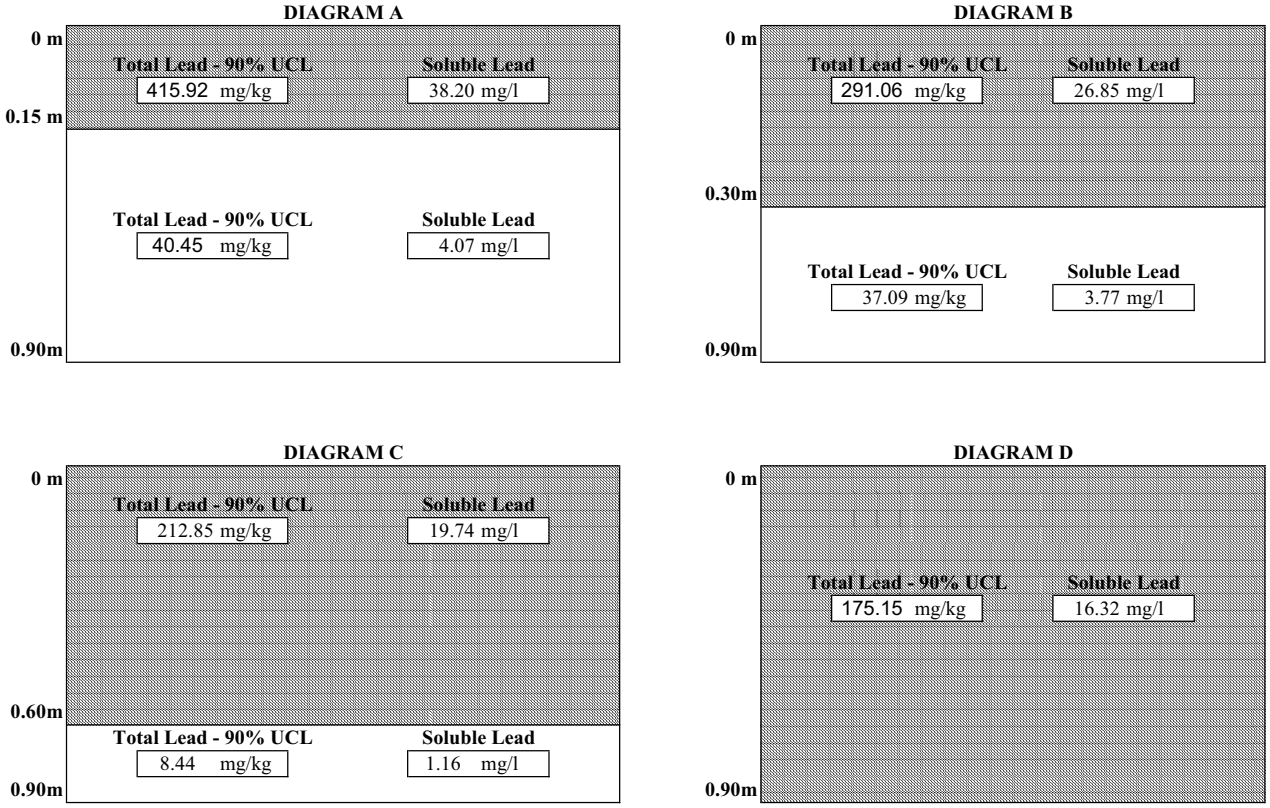


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 415.9 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 40.5 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 4
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

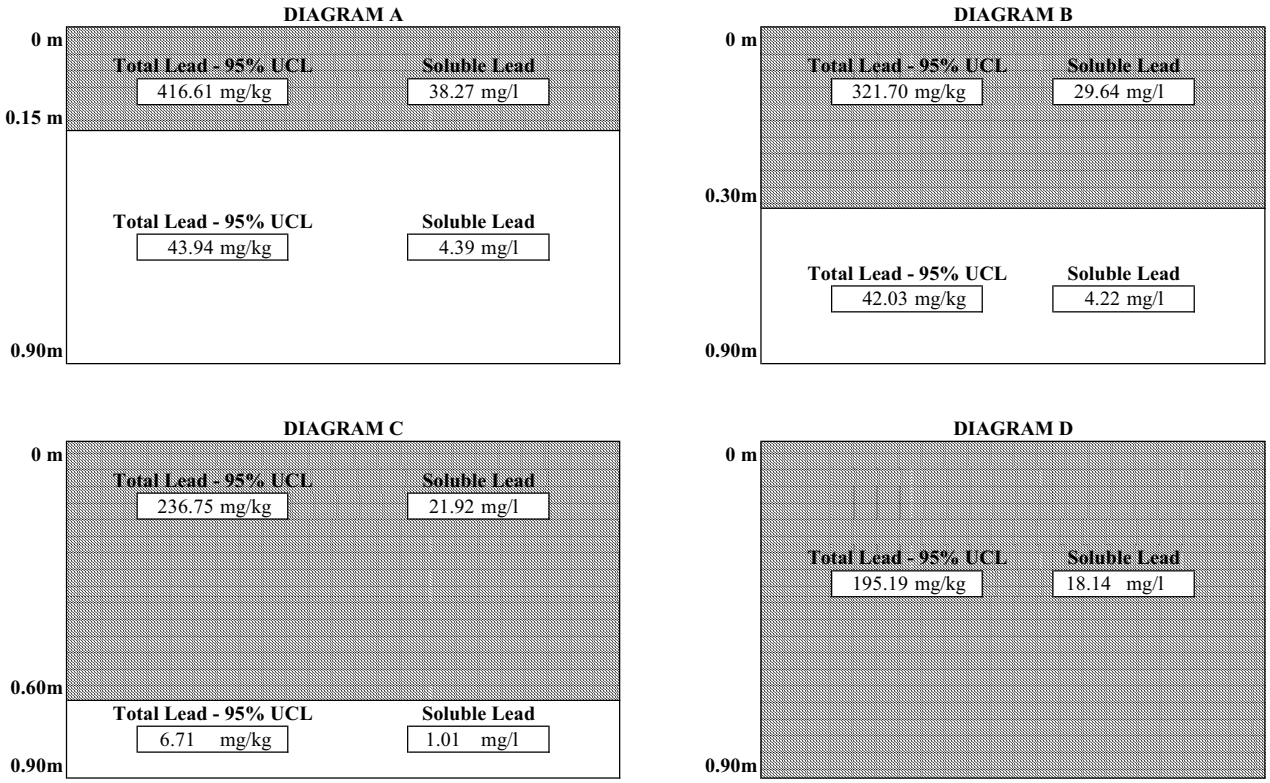


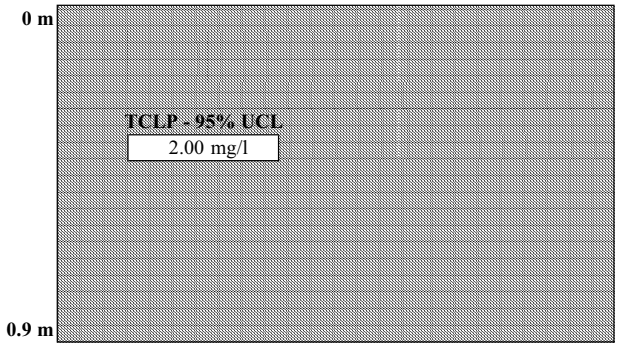
DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 416.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 43.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 4

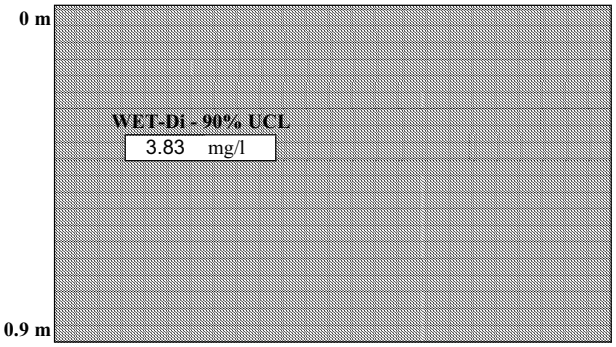
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 4

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 5
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

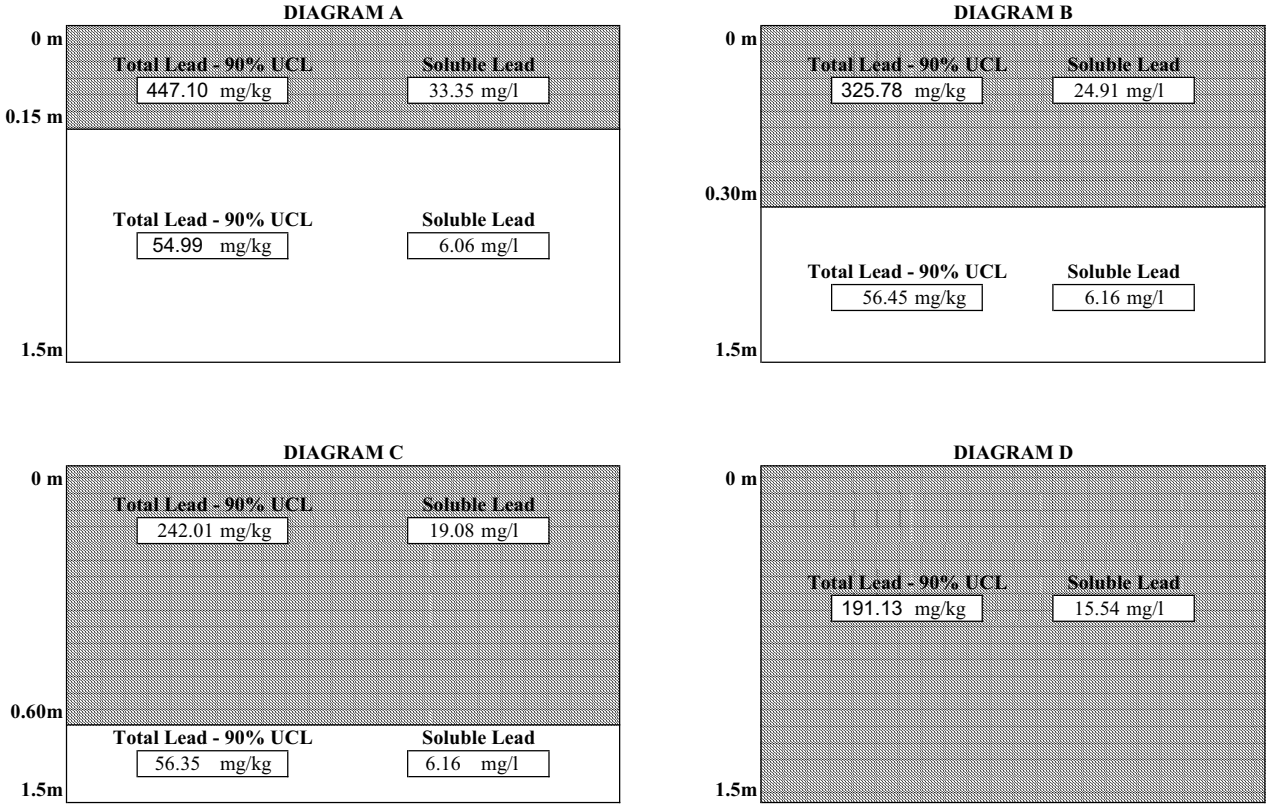


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 447.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 55.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 5
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

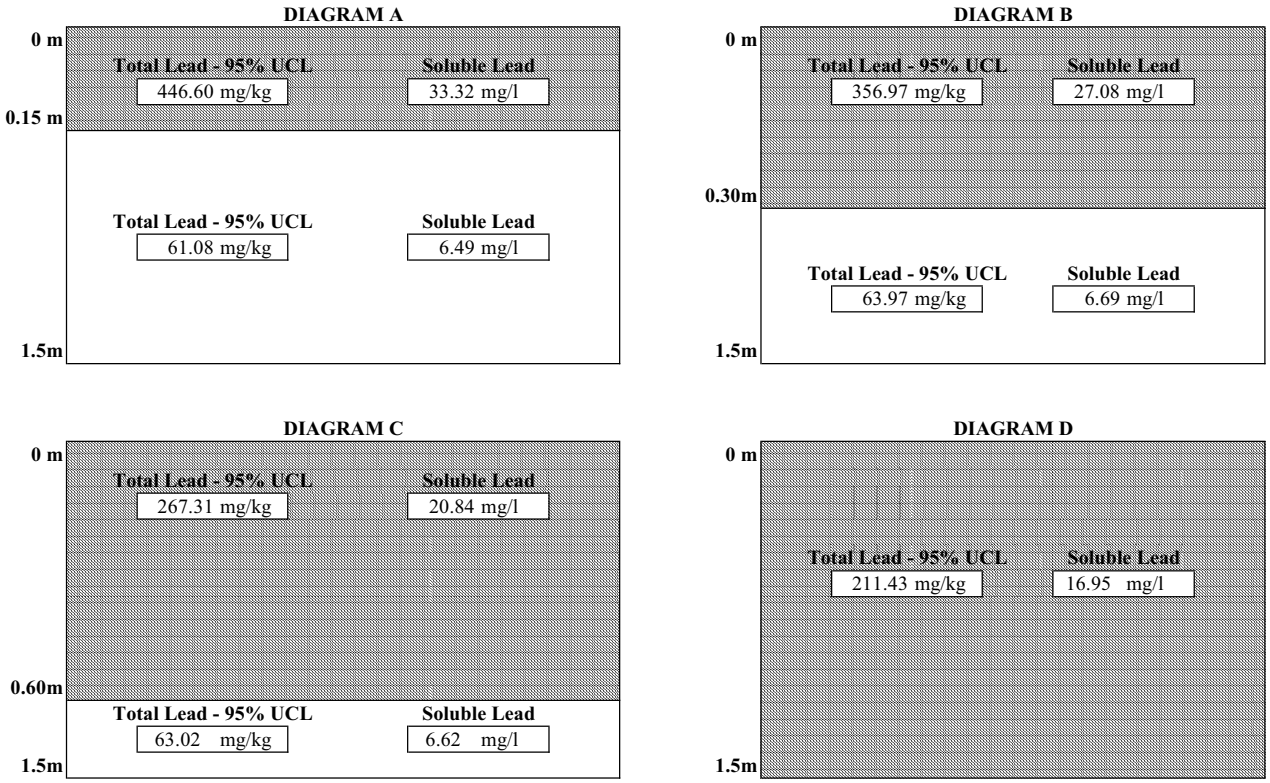


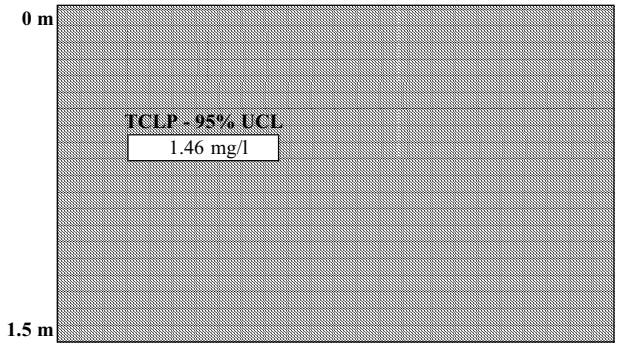
DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 446.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 61.1 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 5

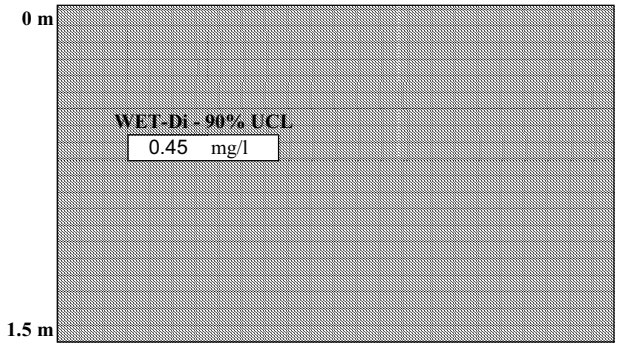
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 90% and 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 5

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 6
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

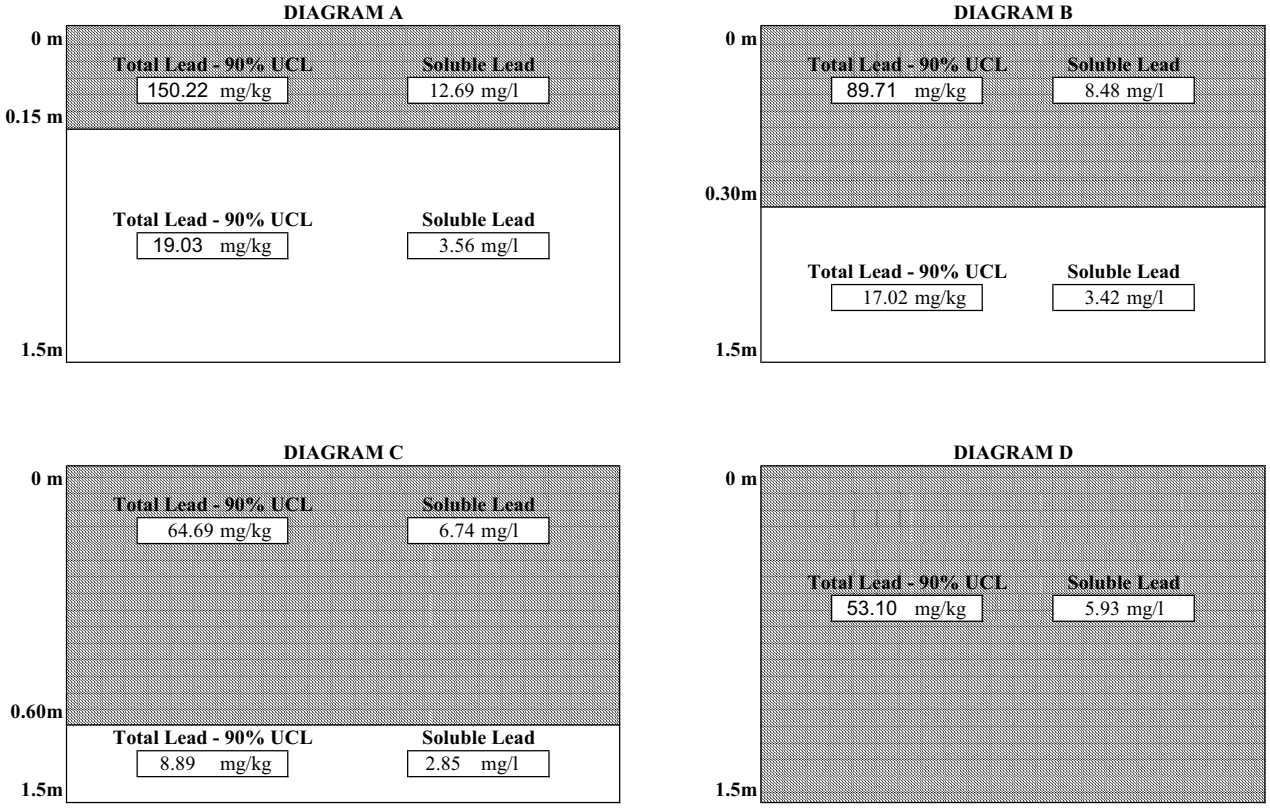


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 150.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 19.0 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 6
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

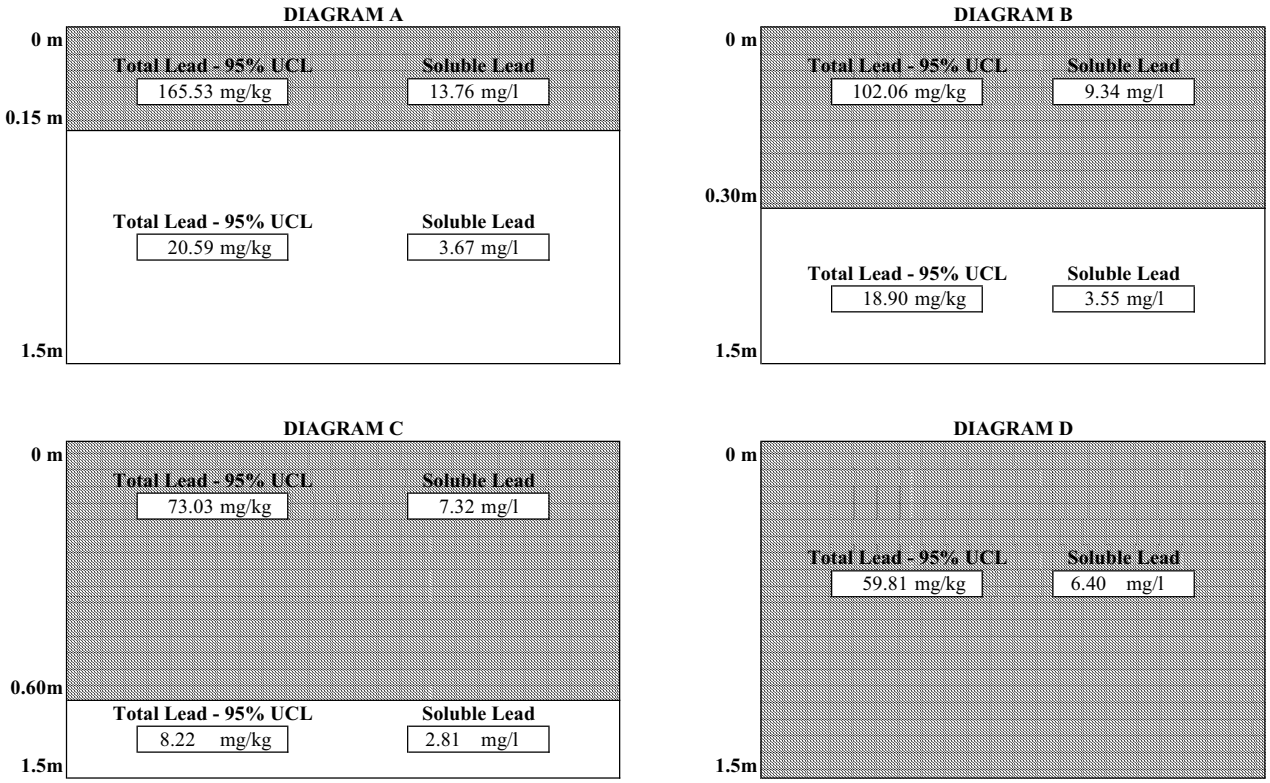


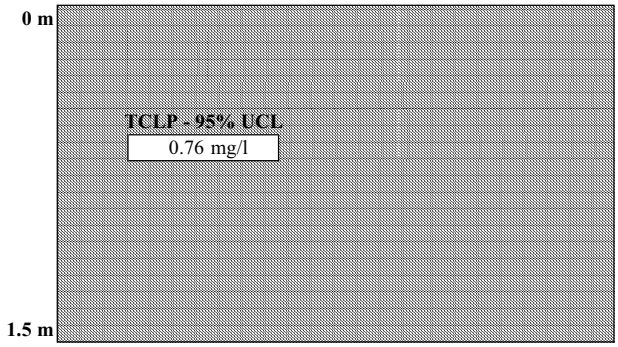
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 165.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 20.6 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 6

Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 7
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

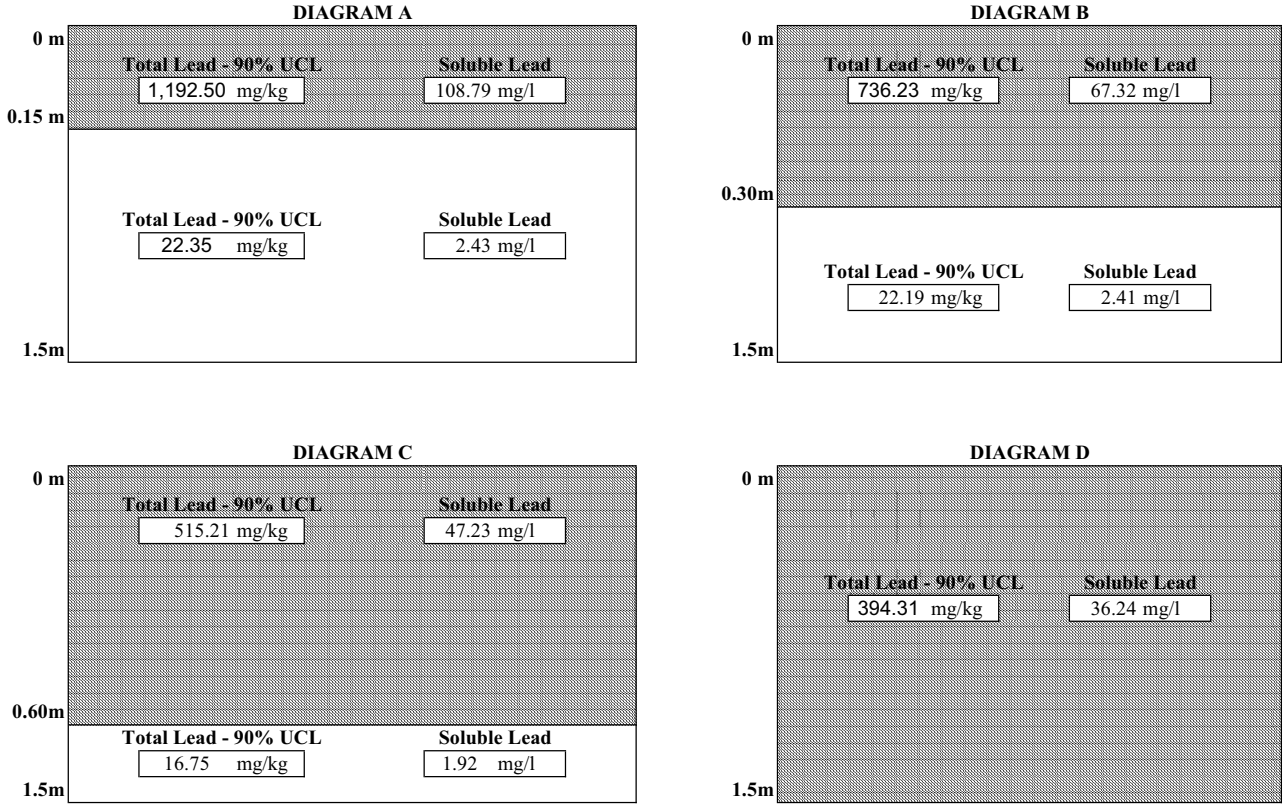


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1192.5 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 22.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 7
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

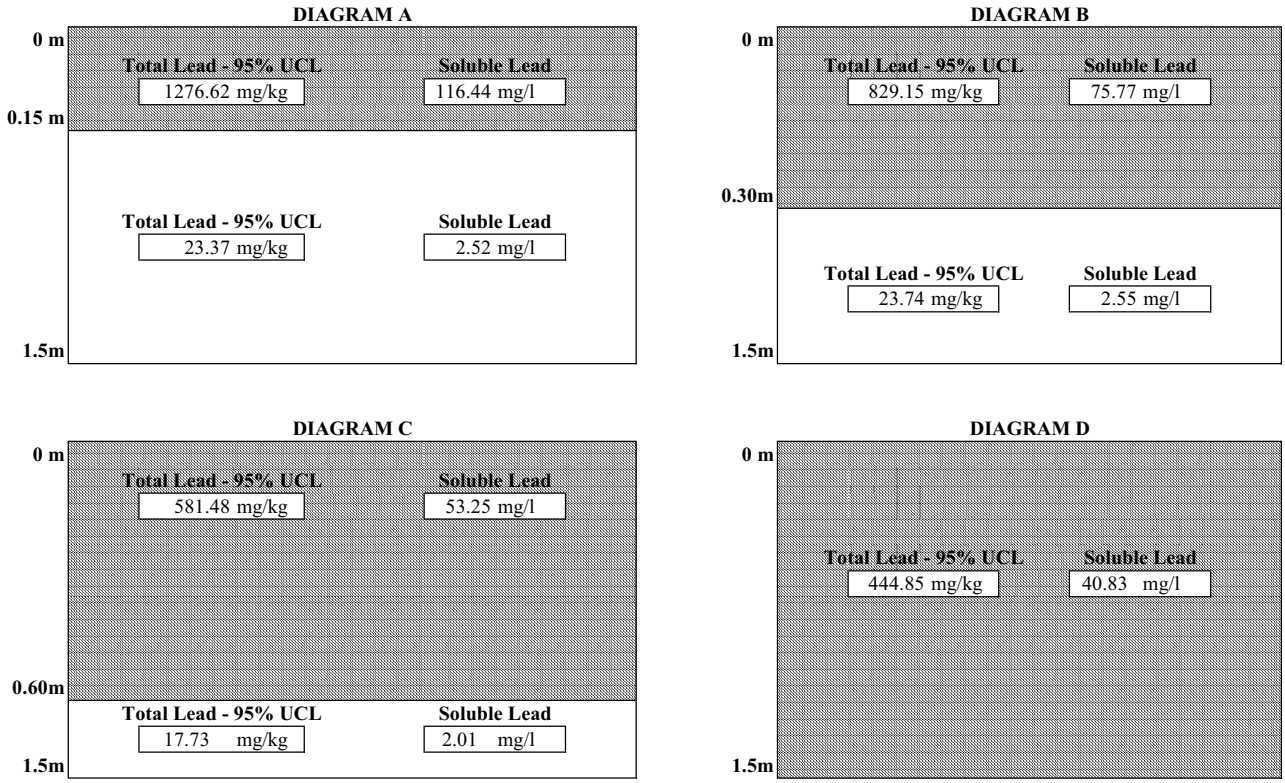


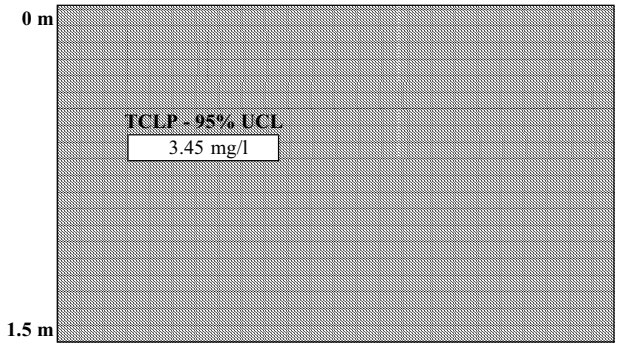
DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1276.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 23.4 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 7

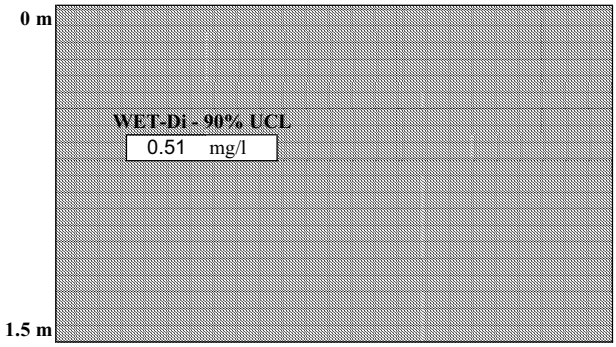
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 7

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 8
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

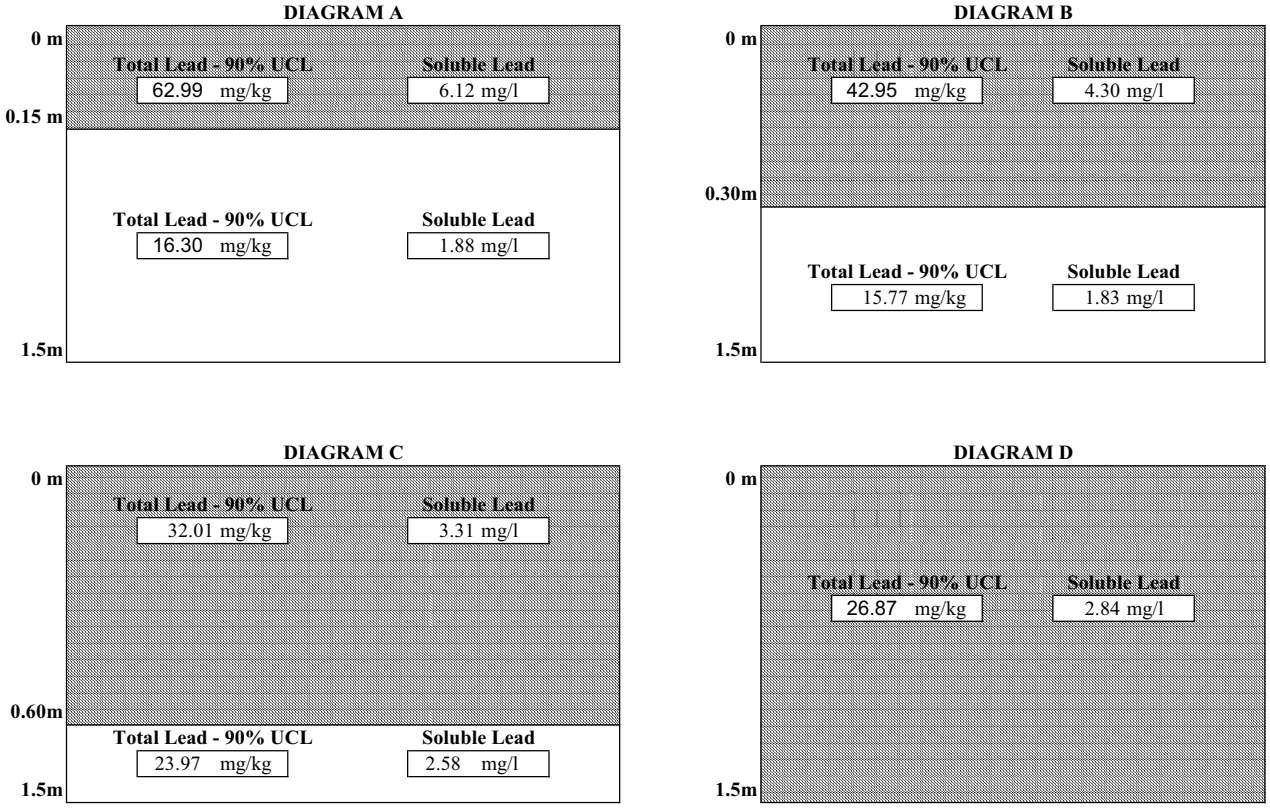


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 63.0 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 16.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 8
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

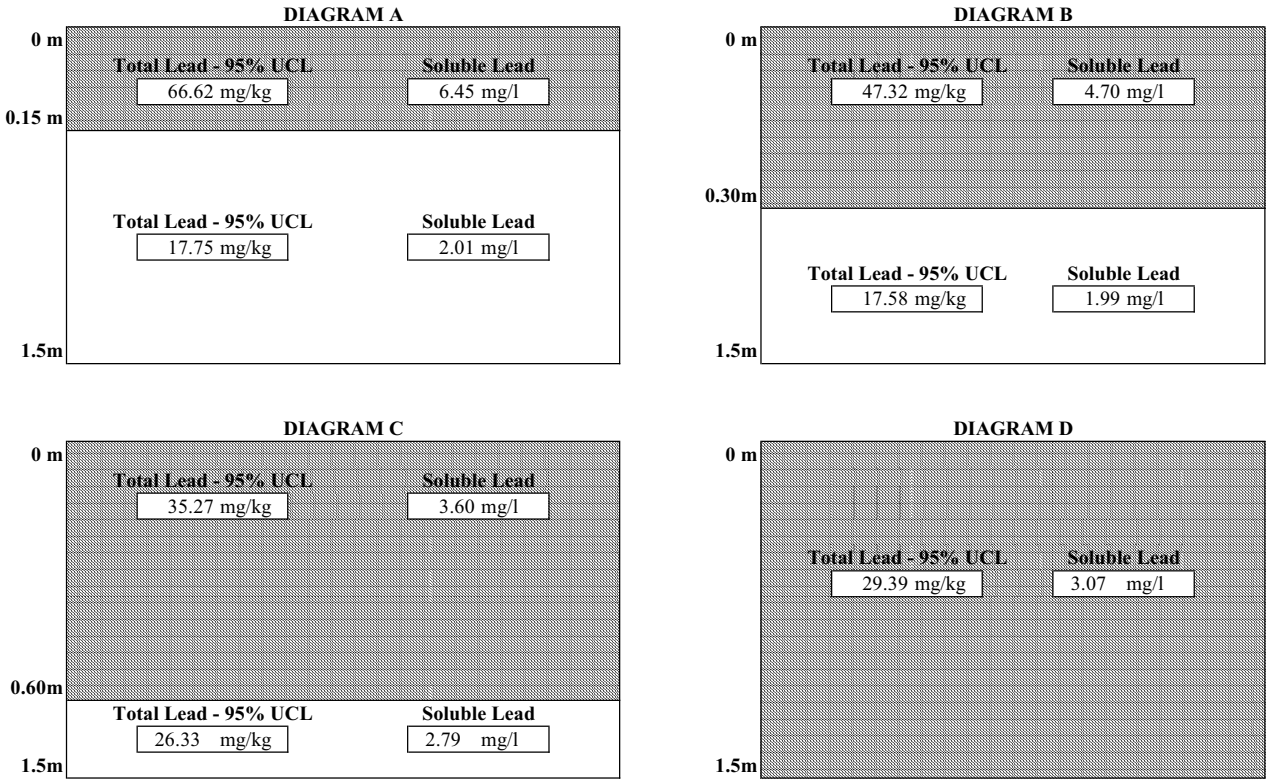


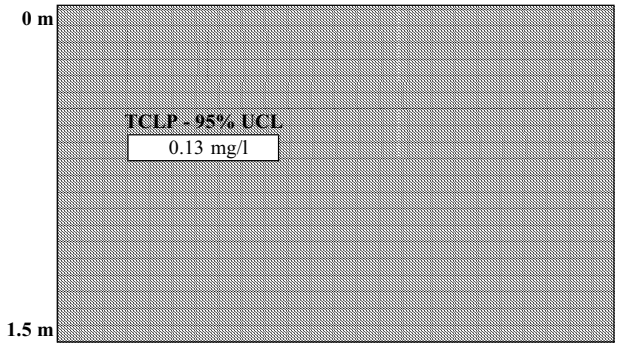
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 66.6 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 17.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 8

Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 9
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

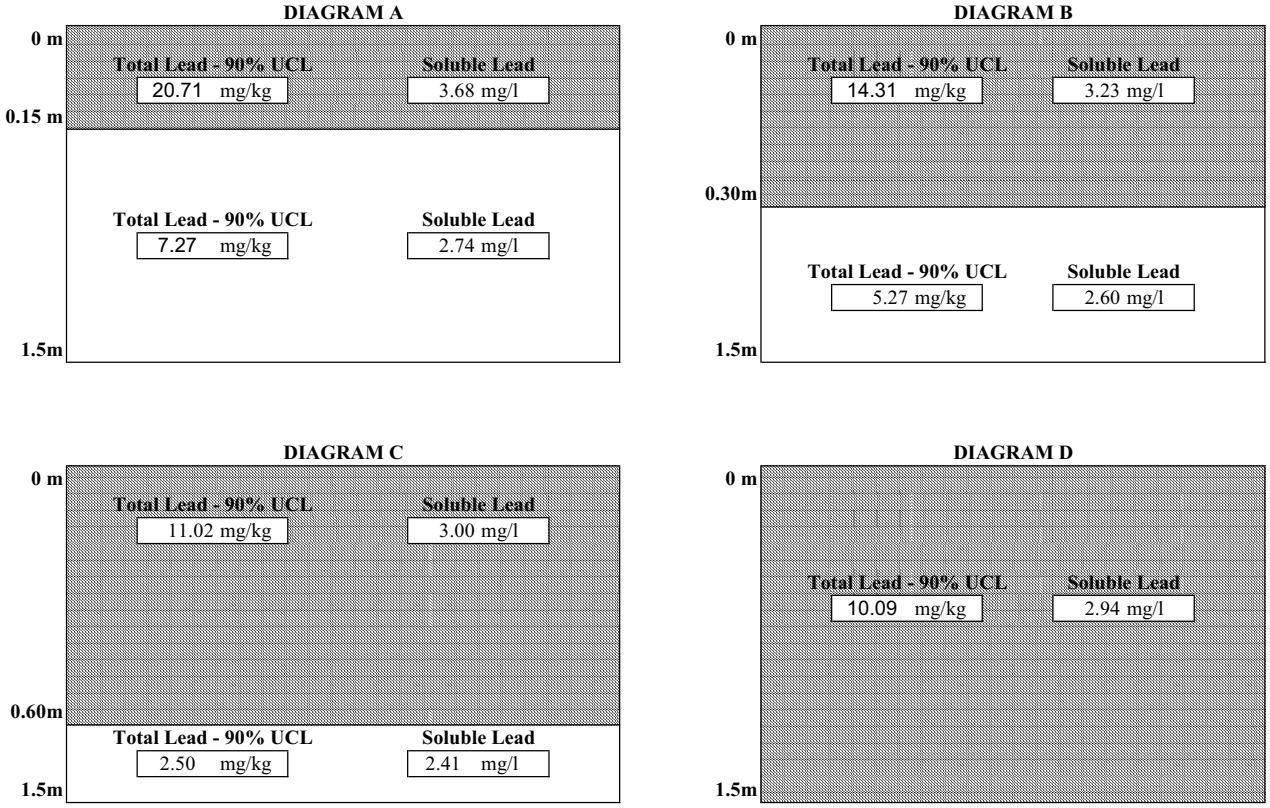


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 20.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 7.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 9
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

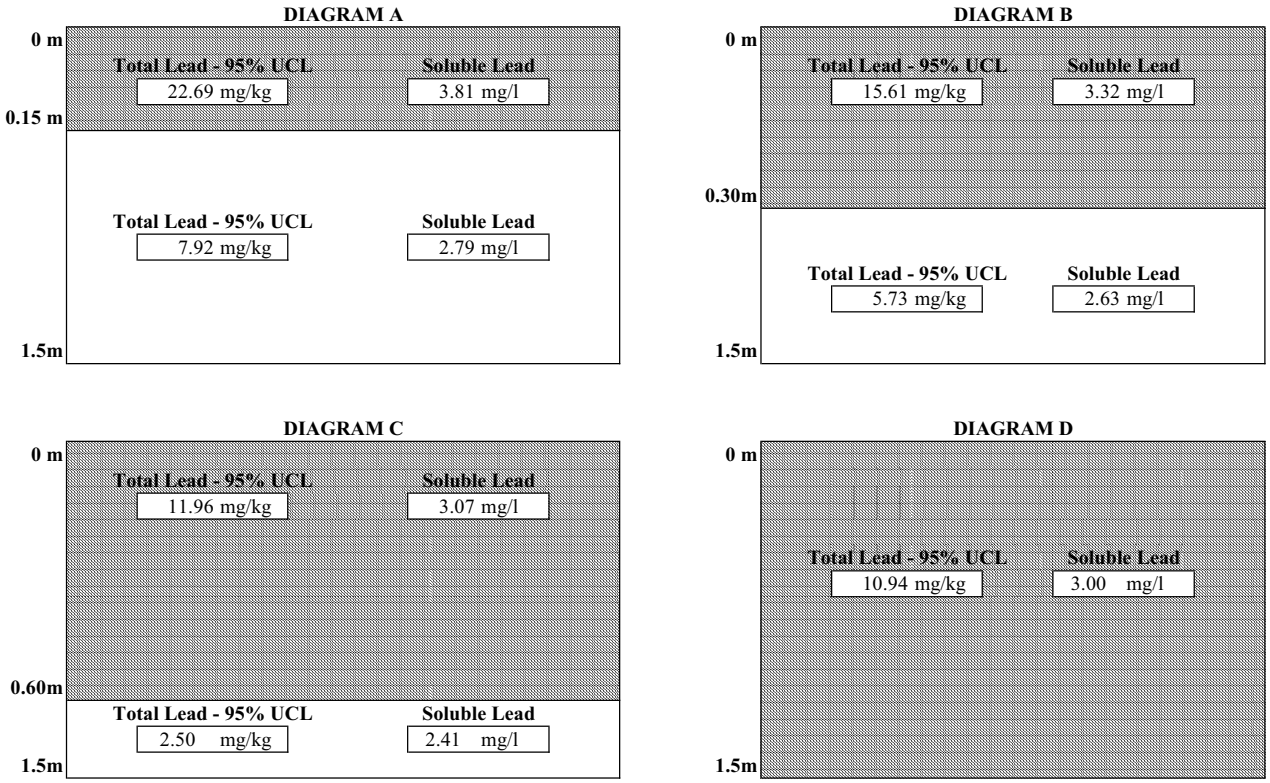


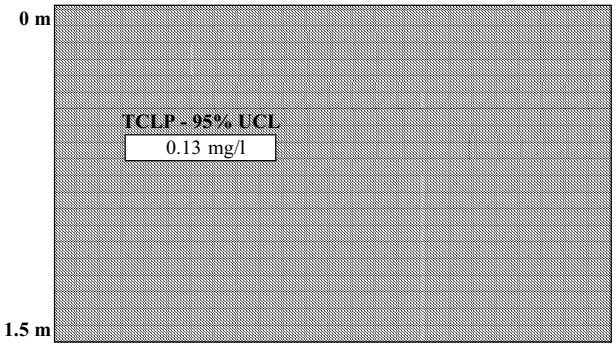
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 22.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 7.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 9

Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 10
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

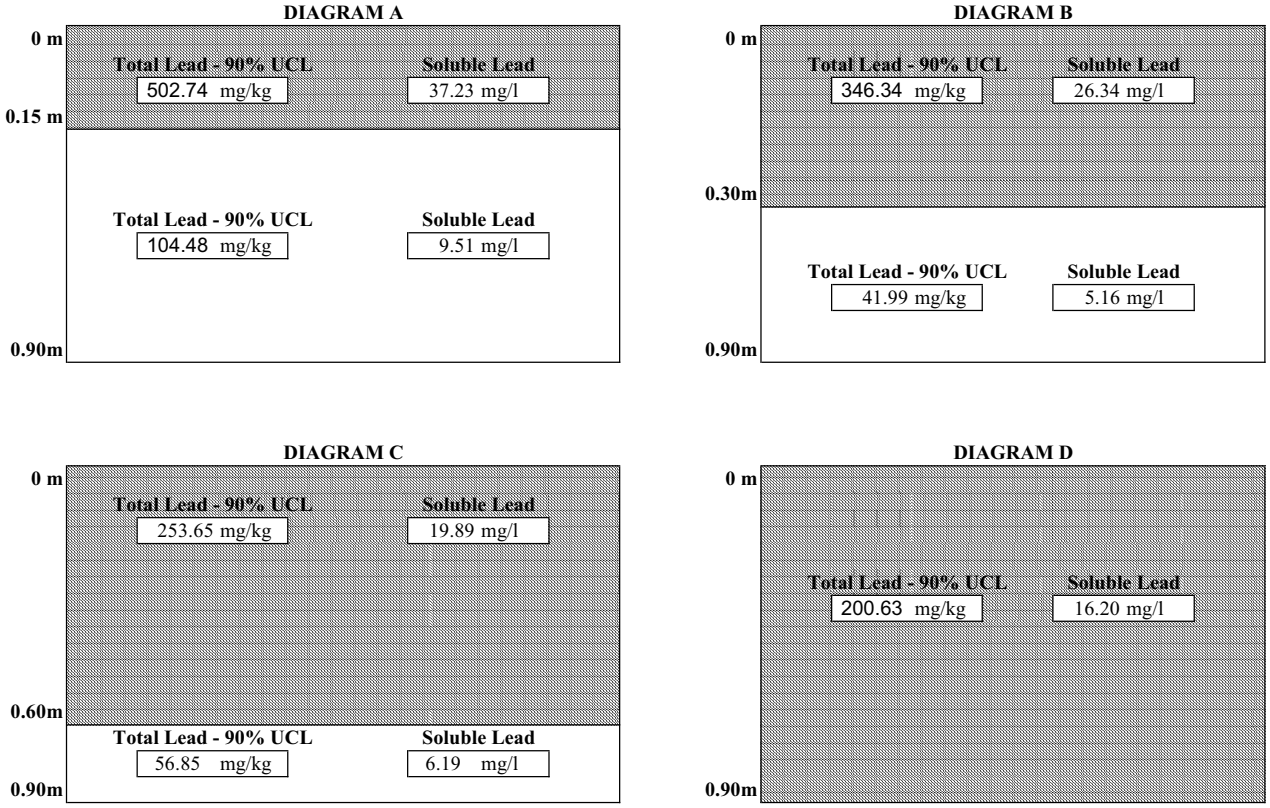


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 502.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 104.5 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 10
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

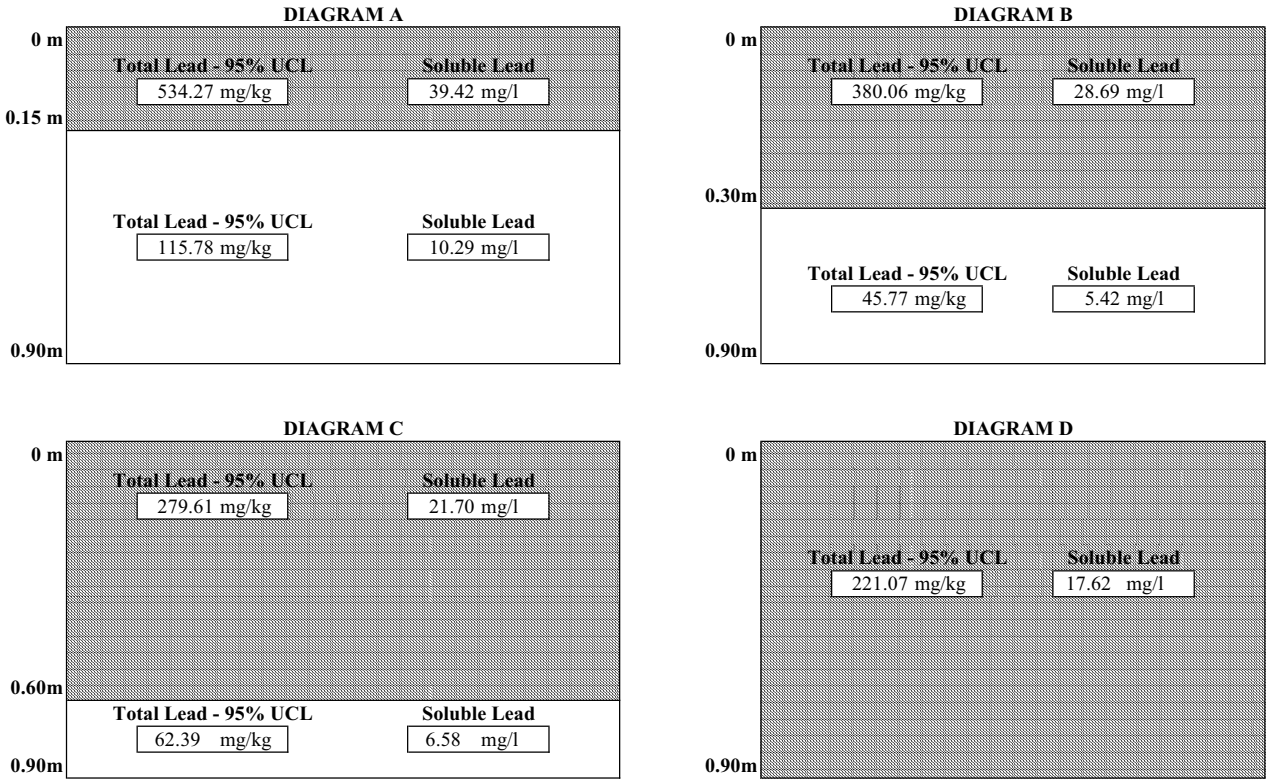


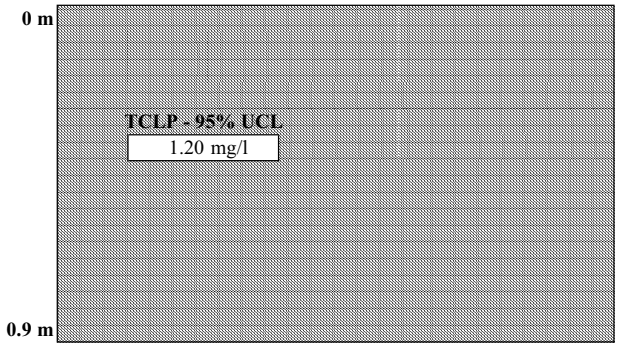
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 534.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 115.8 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 10

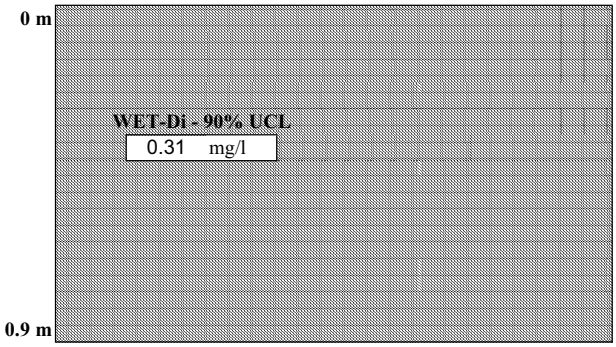
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 10

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 11
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

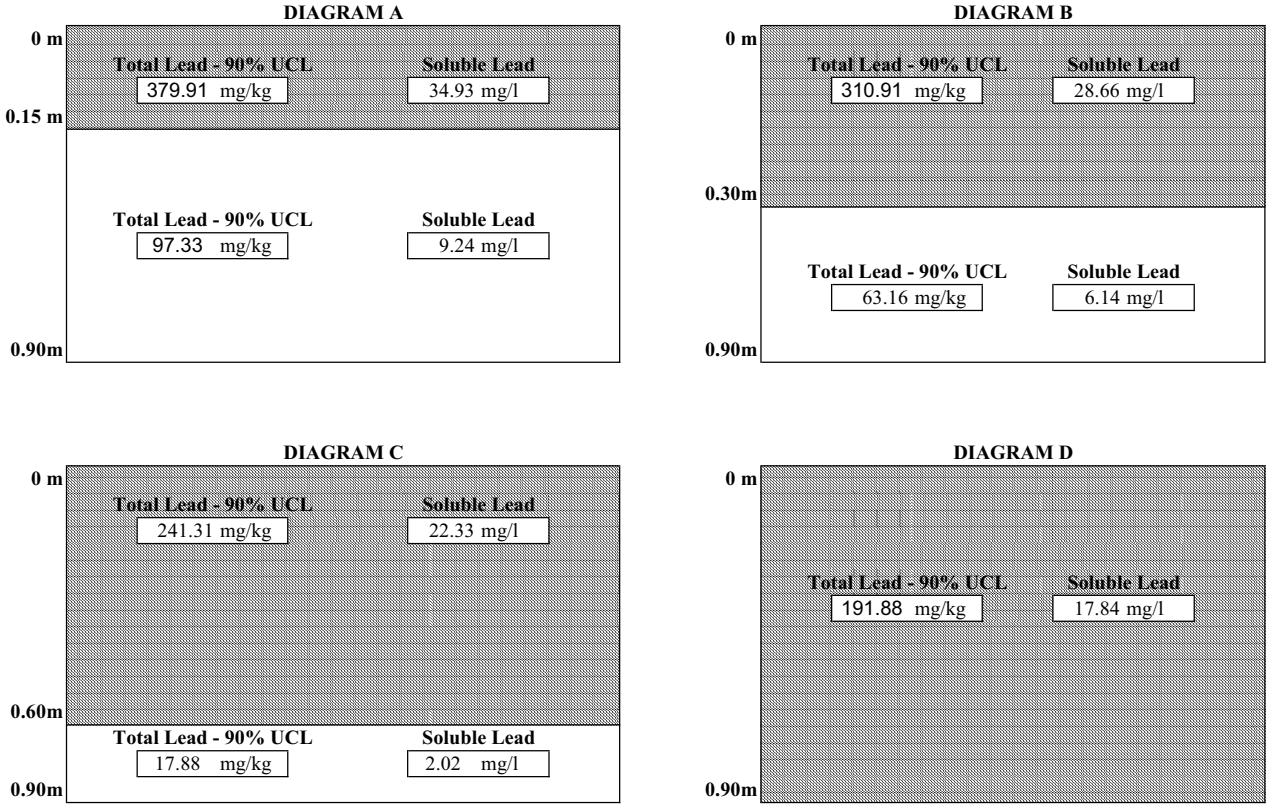


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 379.9 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 97.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 11
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

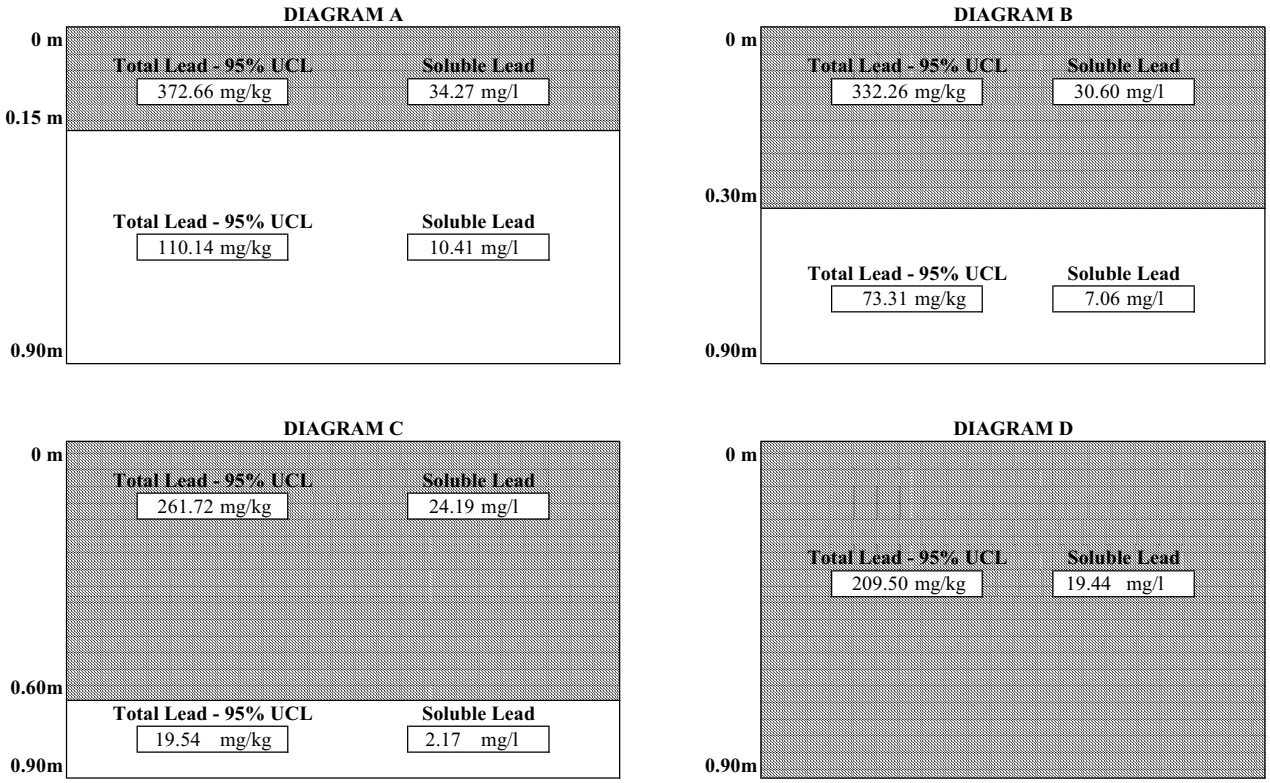


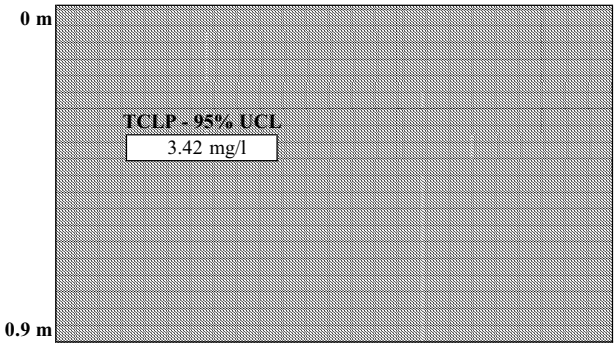
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 372.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 110.1 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 11

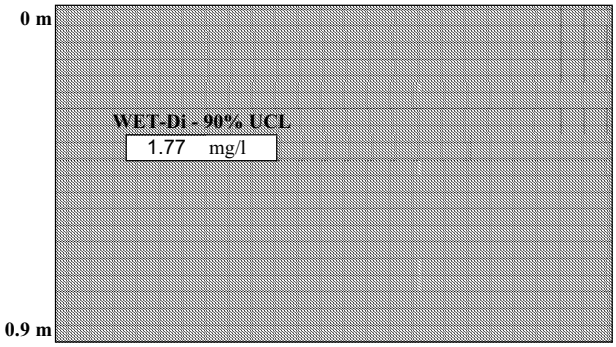
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 11

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 12
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

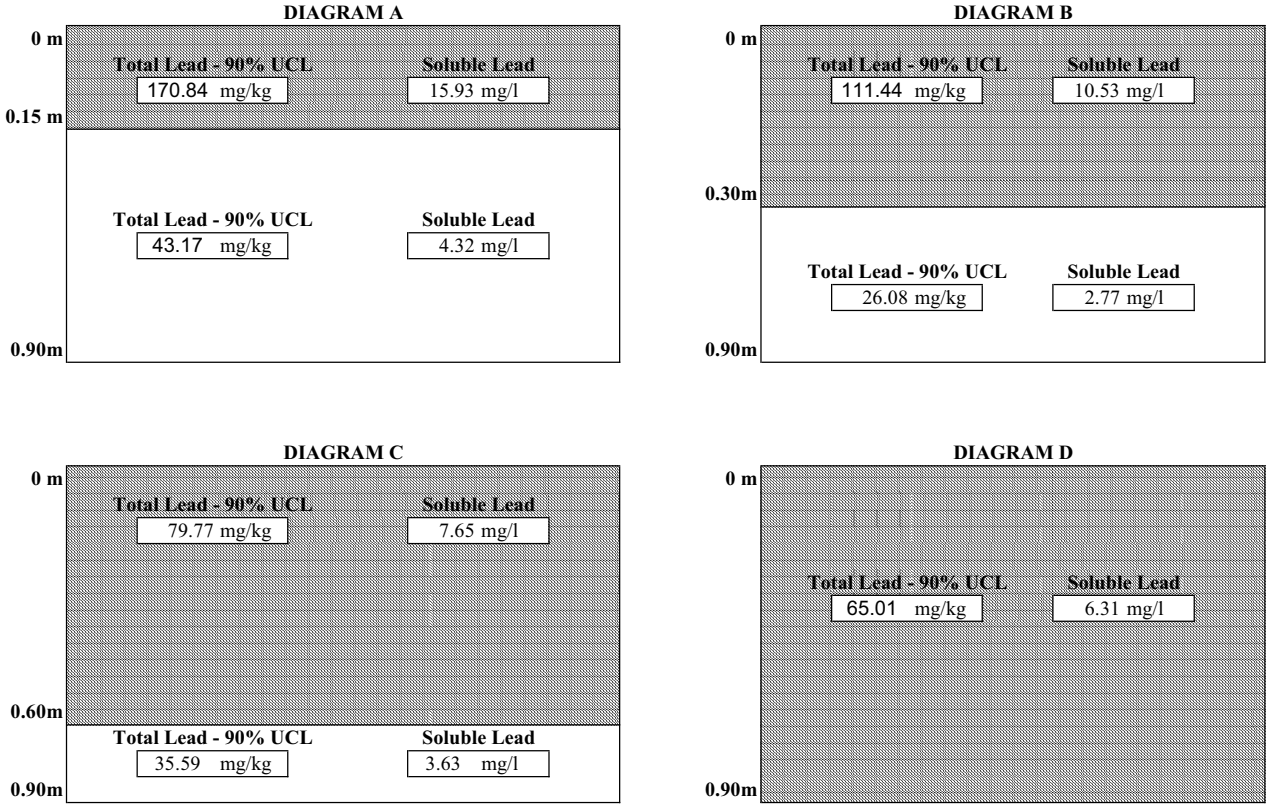


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 170.8 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 43.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 12
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

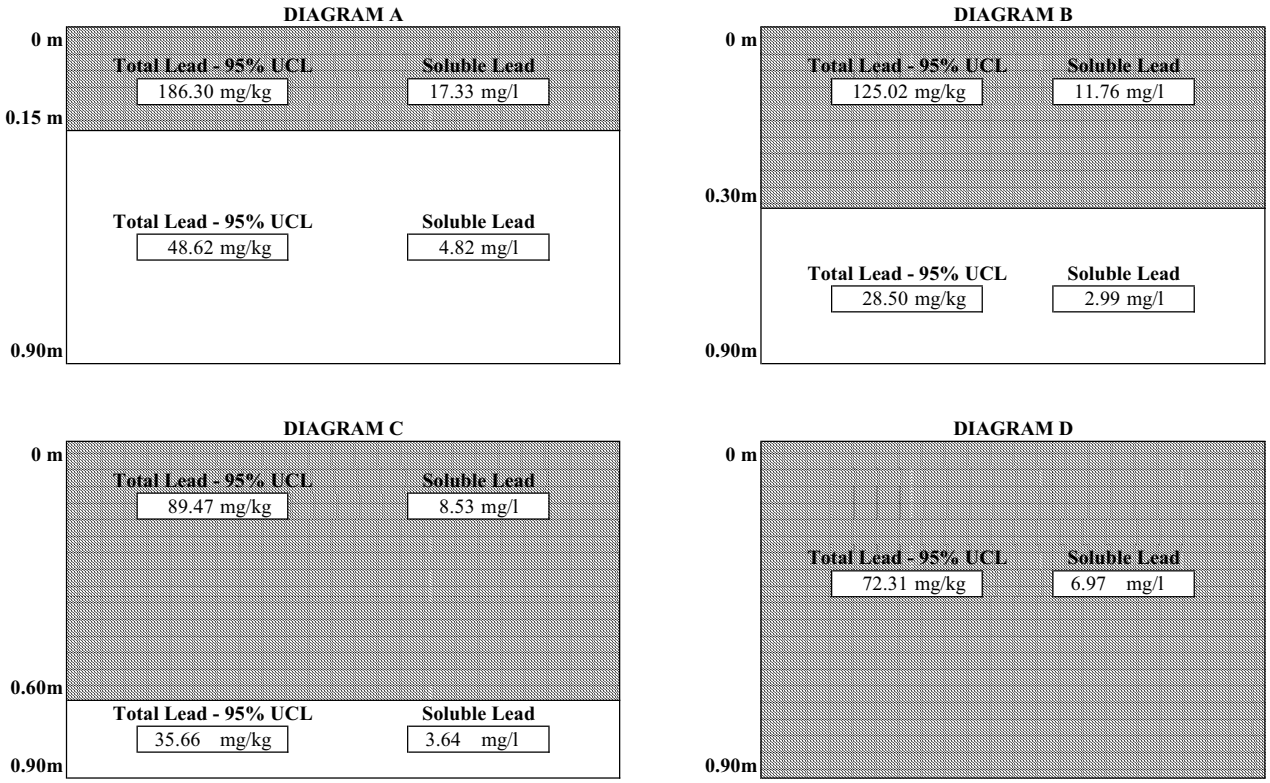


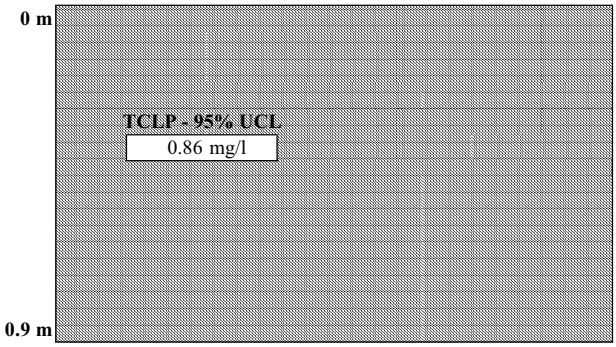
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 186.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 48.6 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 12

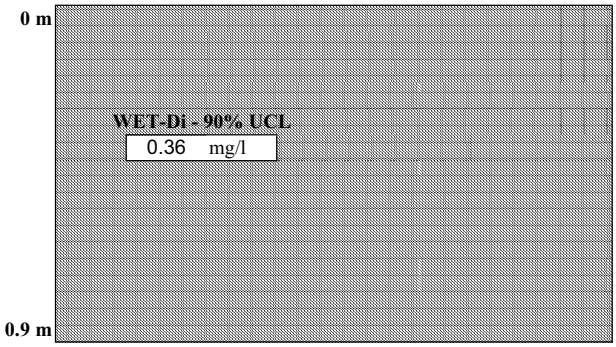
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 12

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 13
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

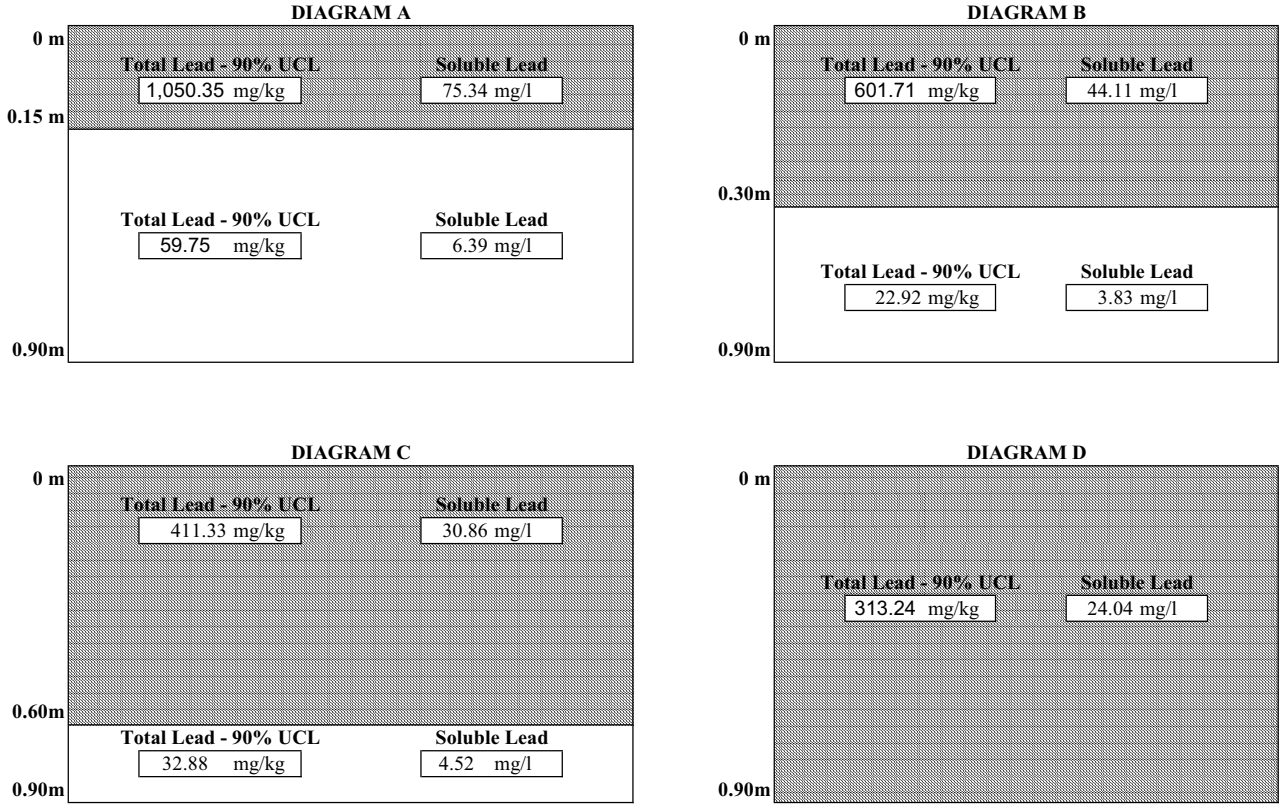


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil	
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil	
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil	
DIAGRAM D --	Treat the entire	section	as a single unit	

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1050.3 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 59.8 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 13
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

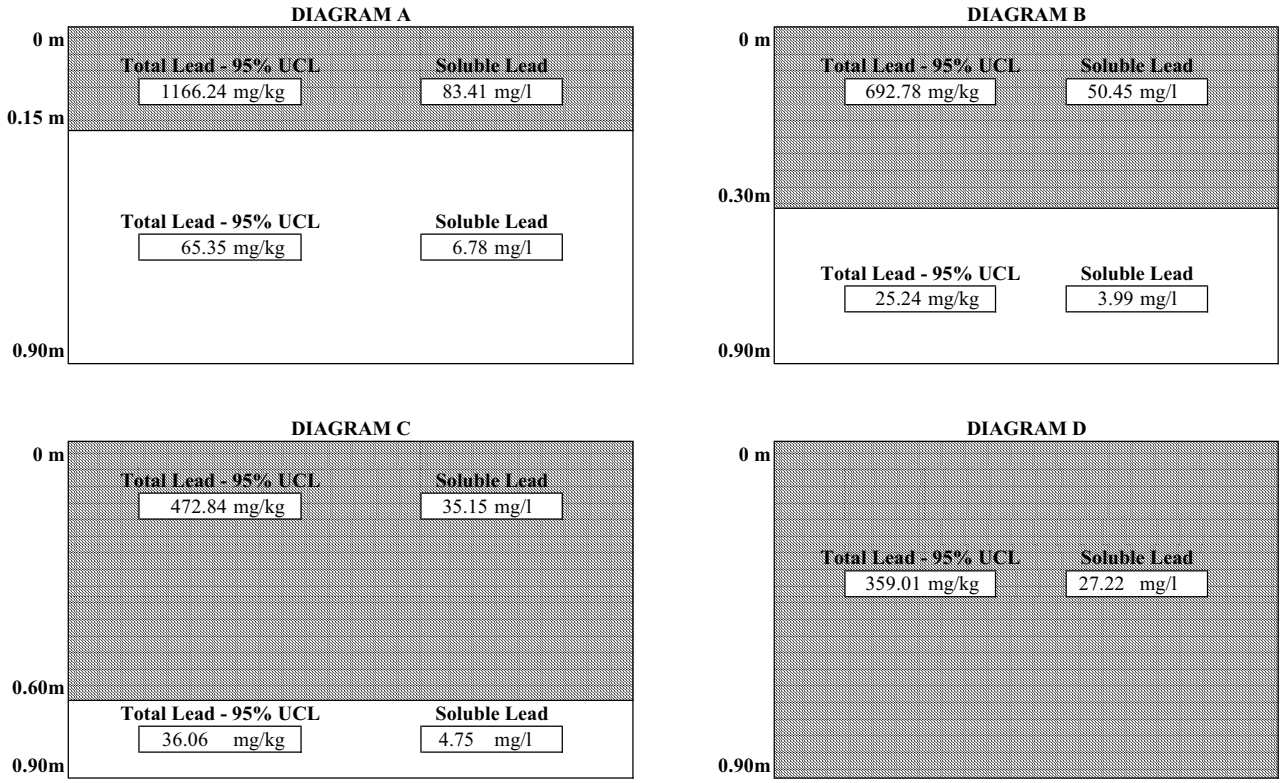


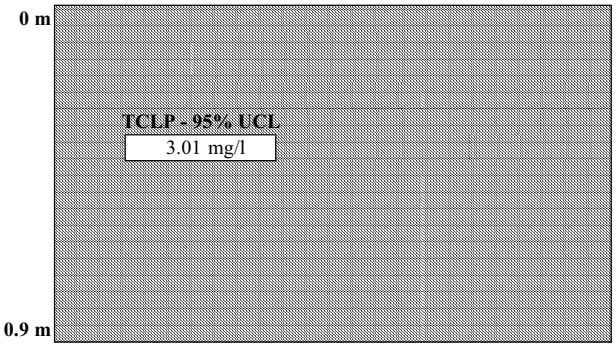
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 1166.2 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 65.3 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 13

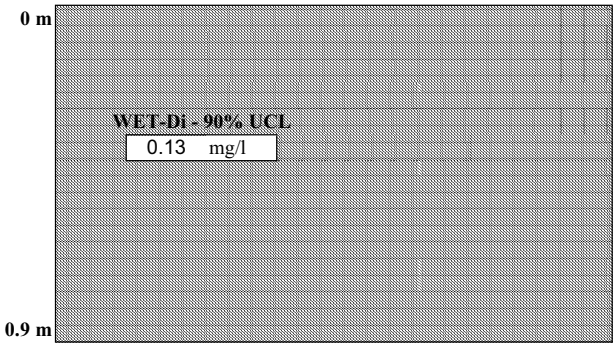
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 13

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 14
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

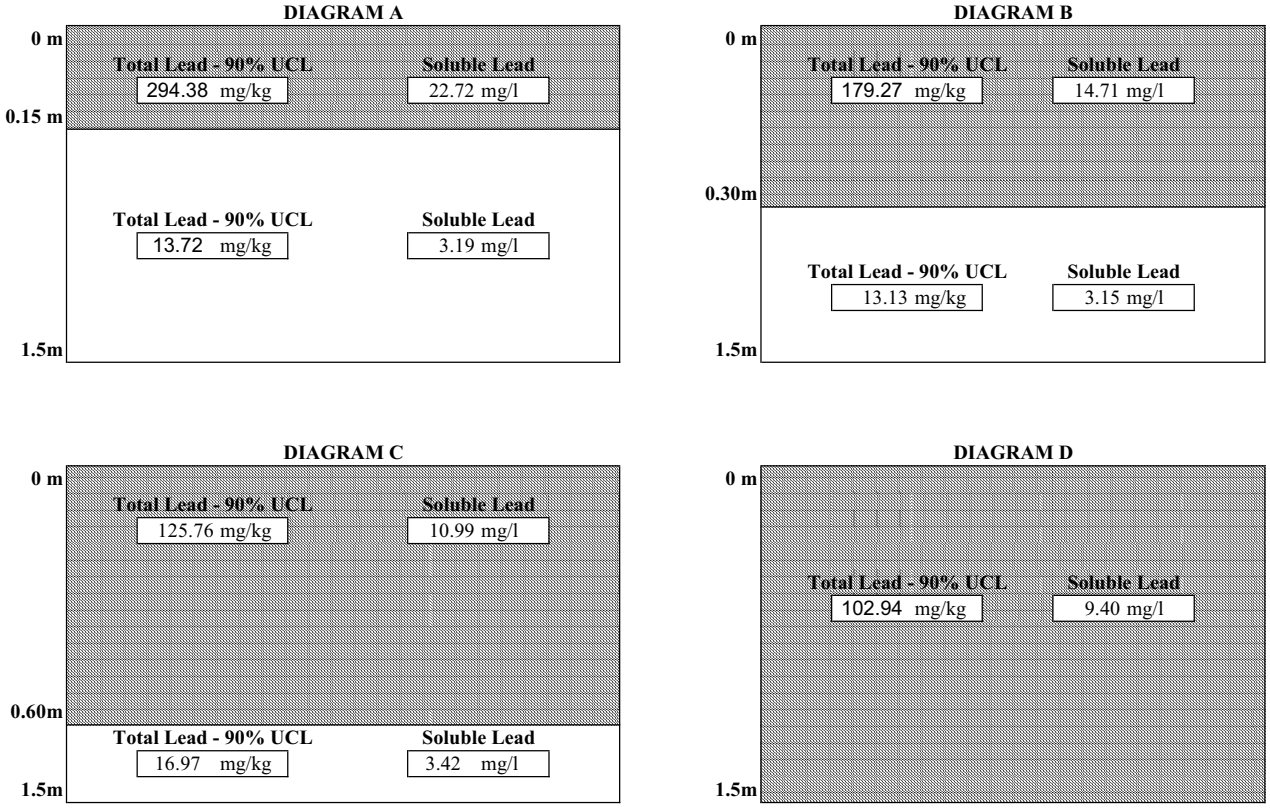


DIAGRAM A --	Separate the top	0.15 m	of soil from the remaining underlying soil
DIAGRAM B --	Separate the top	0.30 m	of soil from the remaining underlying soil
DIAGRAM C --	Separate the top	0.60 m	of soil from the remaining underlying soil
DIAGRAM D --	Treat the entire	section	as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 294.4 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 13.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 14
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

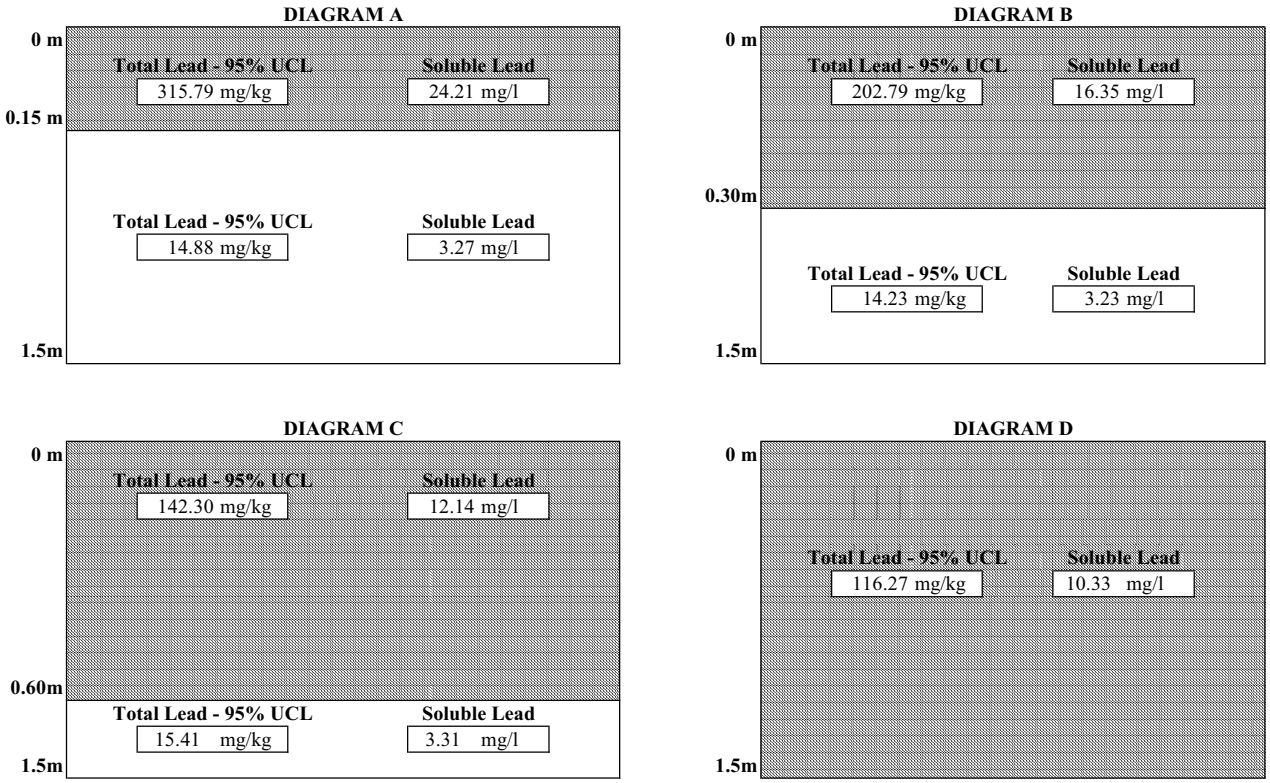


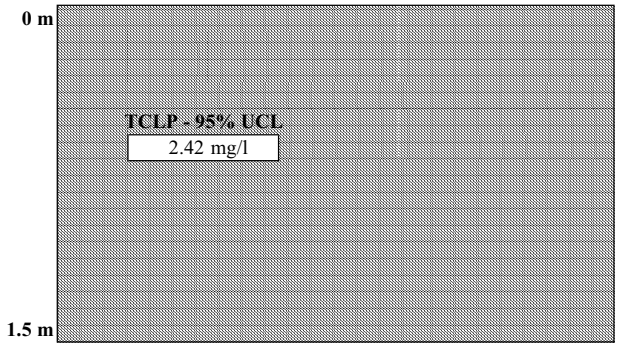
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 315.8 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 14.9 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 14

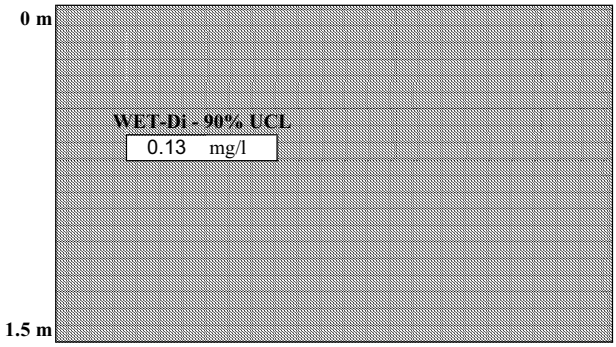
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 14

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 1.5 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 15
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

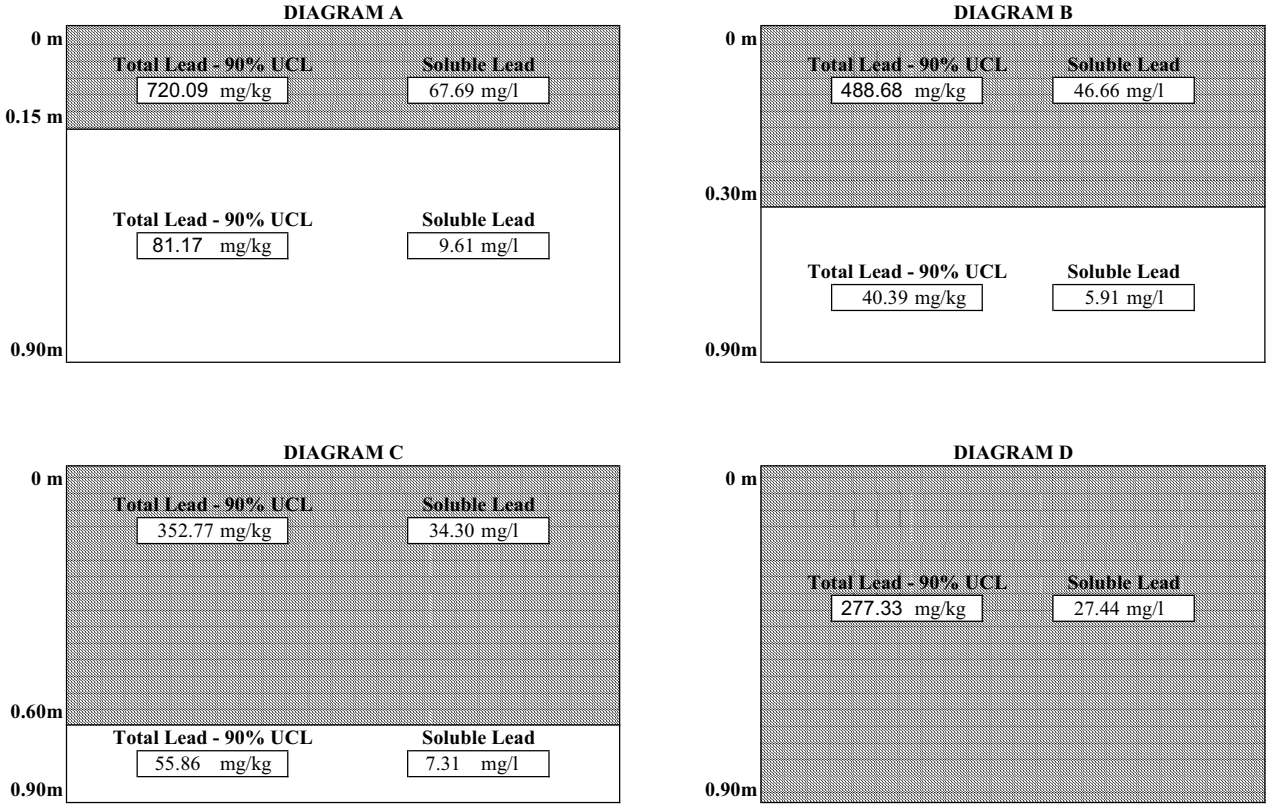


DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 720.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 81.2 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 15
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

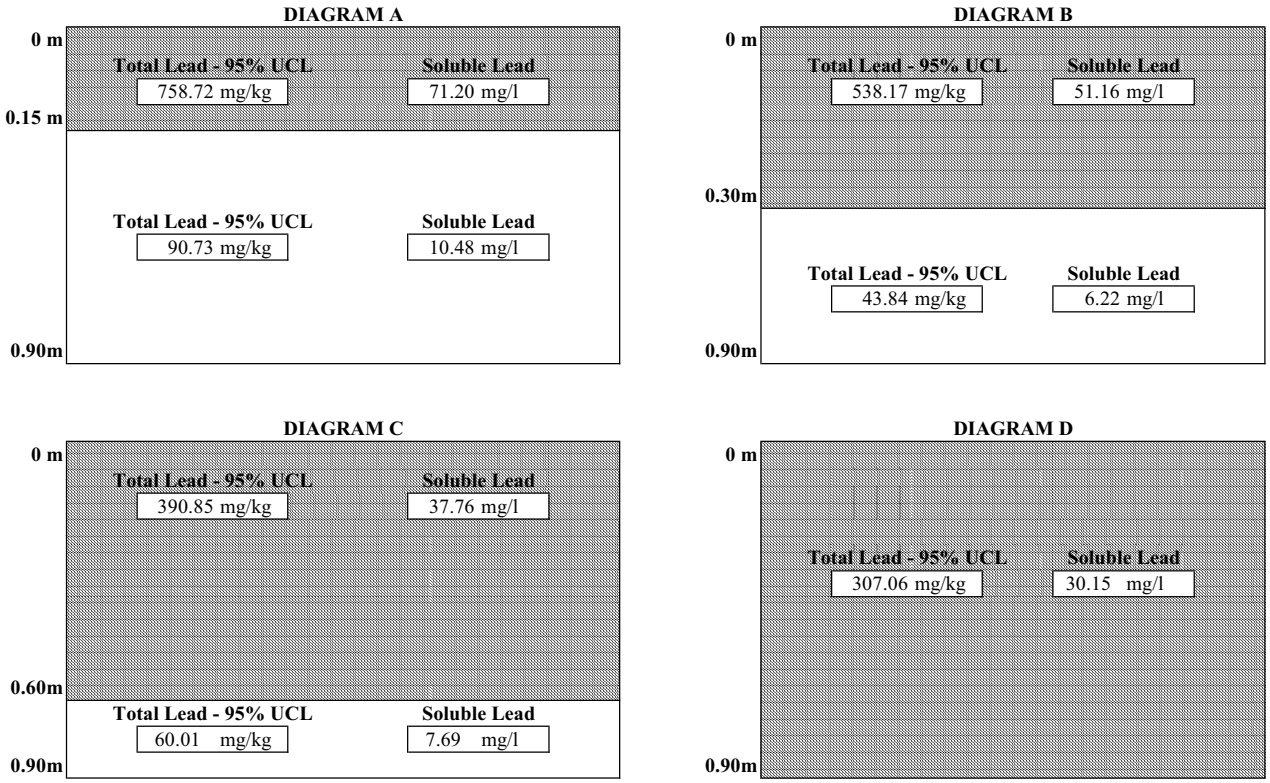


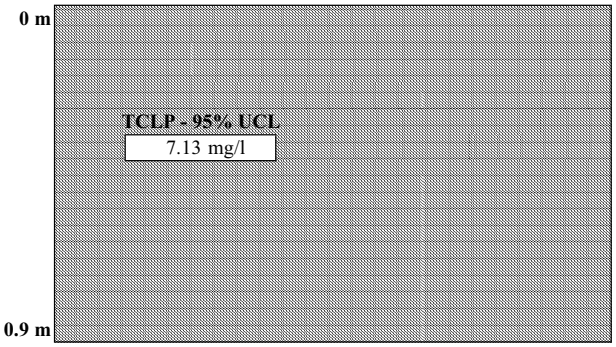
DIAGRAM A -- Separate the top 0.15 m of soil from the remaining underlying soil
DIAGRAM B -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM C -- Separate the top 0.60 m of soil from the remaining underlying soil
DIAGRAM D -- Treat the entire section as a single unit

DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 758.7 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 90.7 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 15

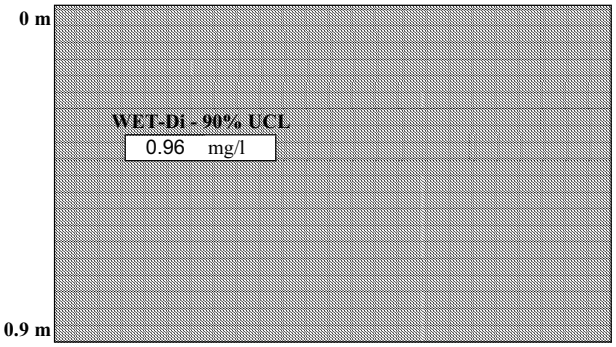
Block Diagram - One-Tailed 95% UCL for Arcsine Distribution



The above diagrams show the 95% one-sided UCL TCLP concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97/37.01
Project No.: 09100-06-111
EA 129421
Group 15

Block Diagram - One-Tailed 90% UCL for Arcsine Distribution



The above diagrams show the 90% one-sided UCL WET-Di concentrations in soil to a depth of approximately 0.9 m.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 16
Project No.: 09100-06-111

Block Diagrams - One-Tailed 90% UCL for Arcsine Distribution

DIAGRAM A

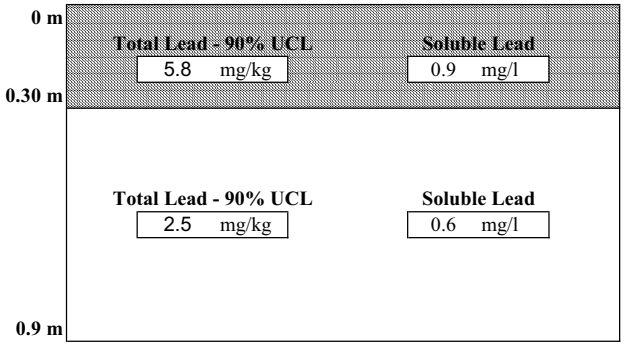


DIAGRAM B

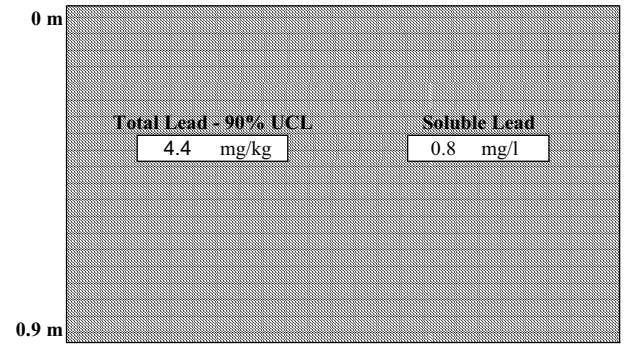


DIAGRAM A -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM B -- Treat the entire section as a single unit
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 5.8 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 2.5 mg/kg.

Task Order Number: 07-129411-3C
Project Name: Route 60 KP 28.97-37.01 - Group 16
Project No.: 09100-06-111

Block Diagrams - One-Tailed 95% UCL for Arcsine Distribution

DIAGRAM A

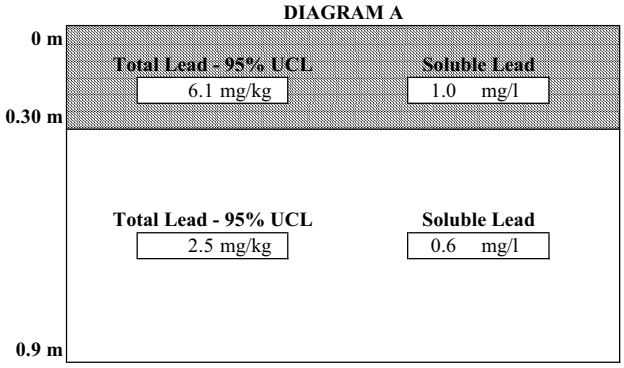


DIAGRAM B

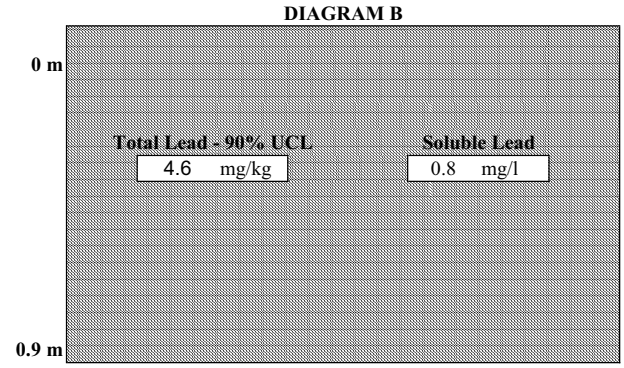


DIAGRAM A -- Separate the top 0.30 m of soil from the remaining underlying soil
DIAGRAM B -- Treat the entire section as a single unit
DIAGRAMS NOT TO SCALE

The above diagrams show the total and predicted soluble lead concentrations in each grouping of soil depending on how the various levels of soil are segregated. For instance, Diagram A shows a scenario where the top 0.15 m of soil is excavated and kept separate from the underlying soil.
In this case, the top 0.15 m of soil would be expected to exhibit an average total lead concentration of 6.1 mg/kg. The underlying soil would be expected to exhibit an average total lead concentration of 2.5 mg/kg.