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Preliminary Site Investigation Report I-580 Roadway Rehabilitation, Oakland, California, February 2014

PRELIMINARY SITE INVESTIGATION REPORT

I-580 ROADWAY REHABILITATION
OAKLAND, CALIFORNIA

PREPARED FOR:
CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 4
OFFICE OF ENVIRONMENTAL ENGINEERING
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GEOCON PROJECT NO. E8721-02-02
CALTRANS EA 04-4H2211
CALTRANS PROJECT # 04-1400-0053-1

FEBRUARY 2014

TABLE OF CONTENTS

PRELIMINARY SITE INVESTIGATION REPORT Page

REPORT LIMITATIONS i

PROJECT TEAM ii

1.0 Introduction 1
- 1.1 Project Description and Proposed Improvements 1
- 1.2 General Objectives 1

2.0 BACKGROUND 1
- 2.1 Hazardous Waste Determination Criteria 1
- 2.2 Environmental Screening Levels 2

3.0 SCOPE OF SERVICES 3
- 3.1 Pre-field Activities 3
- 3.2 Field Activities 3

4.0 INVESTIGATIVE METHODS 3
- 4.1 Sampling Procedures 3
- 4.2 Laboratory Analyses 4
- 4.3 Laboratory QA/QC 5

5.0 INVESTIGATIVE RESULTS 5
- 5.1 Subsurface Conditions 5
- 5.2 Laboratory Analytical Results 5
- 5.3 Laboratory Quality Assurance/Quality Control 6
- 5.4 Statistical Evaluation for Lead Detected in Soil Samples 6

6.0 CONCLUSIONS 9
- 6.1 Lead in Soil 9
  - 6.1.1 Eastbound I-580 (borings B1 to B22) 9
  - 6.1.2 Westbound I-580 (borings B23 to B44, and B48) 9
  - 6.1.3 I-580/SR-24 Interchange (borings B45 to B47) 9
  - 6.1.4 SFOBB Toll Plaza (borings B49 and B51) 9
- 6.2 Remaining CAM 17 Metals in Soil 10
- 6.3 Organic Compounds in Soil 11
- 6.4 Worker Protection 12

TABLE OF CONTENTS
(Continued)

PRELIMINARY SITE INVESTIGATION REPORT

FIGURES

1. Key Map
2a-n. Site Plan

TABLES

1. Boring Coordinates
2. Summary of Lead and pH Results
3. Summary of CAM 17 Metals Results
4. Summary of Petroleum Hydrocarbons Results

APPENDICES

A. Laboratory Reports and Chain-of-custody Documentation
B. Metal and Hydrocarbon Statistical Analysis

REPORT LIMITATIONS

This report has been prepared exclusively for the State of California Department of Transportation (Caltrans) District 4. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing 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 be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. 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.

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

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PRELIMINARY SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This Preliminary Site Investigation Report for the Roadway Rehabilitation project along Interstate 580 (I-580) in Alameda County, California was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 04A4336 and Task Order No. 02 (TO-02), EA 04-4H2211.

1.1 Project Description and Proposed Improvements

The project includes concrete slab/lane replacement; asphalt concrete pavement resurfacing; construction of guardrails, dikes, concrete barriers and vegetation-control paving; electrical work; and other miscellaneous work at various locations along I-580 between the Coolidge Avenue undercrossing and the Oakland San Francisco Bay Bridge toll plaza in Oakland, California [Post Mile (PM) 41.2 to PM 47.0]. Work will take place within Caltrans right-of-way. The project location is depicted on the attached Key Map, Figure 1.

1.2 General Objectives

The purpose of the site investigation was to evaluate concentrations of California Assessment Manual 17 (CAM 17) metals, particularly aerially-deposited lead (ADL), total petroleum hydrocarbons as diesel (TPHd), as motor oil (TPHmo), and as gasoline (TPHg), in soil within the project limits.

The information obtained from this investigation will be used by Caltrans to evaluate soil handling practices, worker health and safety, and soil reuse and disposal options.

2.0 BACKGROUND

2.1 Hazardous Waste Determination 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), Section 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the representative total metal content equals or exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the representative soluble metal content equals or exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste has the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a

concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA hazardous, or Federal hazardous, when the representative soluble metal content equals or exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., representative lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or other criteria. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

2.2 Environmental Screening Levels

The San Francisco Bay Regional Water Quality Control Board (SFRWQCB) has prepared a technical report entitled *User's Guide: Derivation and Application of Environmental Screening Levels, Interim Final 2013* (updated December 2013), which presents Environmental Screening Levels (ESLs) for over 100 commonly found contaminants in soil, groundwater, soil gas, and surface water, to assist in evaluating sites impacted by releases of hazardous chemicals. "The ESLs are considered to be protective for typical bay area sites. Under most circumstances, …the presence of a chemical is soil, soil gas, or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant threat to human health, water resources, or the environment." (SFRWQCB, December 2013). ESLs are risk assessment tools and are "not intended to serve as a rule to determine if a waste is hazardous under the state or federal regulations."

Residential and commercial/industrial land use ESLs are commonly used by contractors, soil trucking companies, and private and commercial land owners as default acceptance criteria to evaluate suitability of import soil material. The following ESL tables were used for this characterization:

- Table A. Shallow Soil (≤3m bgs), Groundwater is a Current or Potential Source of Drinking Water
- Table K-3. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario

The respective ESLs are listed at the end of Tables 3 and 4 for comparative purposes.

3.0 SCOPE OF SERVICES

The scope of services performed under TO-02, EA 04-4H2211 included the following:

3.1 Pre-field Activities

- Prepared the *Preliminary Site Investigation Workplan* and *Health and Safety Plan*, dated January 2014.
- Retained the services of Torrent Laboratory, Inc., and Advanced Technology Laboratories (ATL), Caltrans-approved and California-certified analytical laboratories, to perform the chemical analyses of soil samples.
- Retained the services of D & M Traffic Services, a Caltrans-approved traffic control company, to provide traffic control services.

3.2 Field Activities

The field investigation was performed on January 21 through 22, 2014, by Geocon staff. The following field activities were performed during the sampling efforts:

- Advanced 51 soil borings at the project location using hand-auger drilling techniques. The borings were advanced to a maximum depth of 0.5 feet.

The following samples were collected:

- 21 for CAM 17 metals analysis.
- 30 for total lead analysis.
- 21 for TPHd and TPHmo analyses.
- 11 for TPHg analyses.
- 11 for pH analysis.
- 1 equipment rinse blank for total lead analysis.

All samples were transported to Torrent Laboratory for analysis under standard chain-of-custody (COC) documentation.

4.0 INVESTIGATIVE METHODS

4.1 Sampling Procedures

Soil samples were collected from the 51 boring locations identified by the Caltrans TO Manager using hand-auger sampling techniques. Boring coordinates are presented on Table 1. A Key Map, Figure 1, depicts the Site Plan figures in relation to one another, and the Site Plan, Figures 2a through 2n, shows the boring locations.

Soil samples were placed in new resealable plastic bags or stainless steel tubes and sealed with Teflon tape and plastic lids prior to being stored in a chest cooled with ice.

Sample containers were labeled and transported to a Caltrans-approved, certified environmental laboratory using standard COC documentation. Soil borings were back-filled to surface with soil cuttings.

Geocon provided QA/QC procedures during the field activities. These procedures included washing the sampling equipment with a Liqui-Nox® solution followed by a double rinse with deionized water. The equipment rinse blank was collected by pouring deionized water over the cleaned sampling equipment and collecting it into a sample container for laboratory analysis. Decontamination water was disposed of to the ground surface within Caltrans right-of-way in a manner not to create runoff, away from drain inlets or potential water bodies.

4.2 Laboratory Analyses

Laboratory analyses were performed by Torrent Laboratory under standard and expedited turnaround-time (TAT) per the Task Order Manager. The laboratory reports and COC documentation are included in Appendix A.

The samples were analyzed as follows:

- 21 samples for CAM 17 metals using EPA Test Methods 6010 ICAP and 7471.
- 30 samples were analyzed for total lead using EPA Test Method 6010 ICAP.
- 1 samples with a total chromium concentration equal to or exceeding 50 mg/kg (i.e. equal to or exceeding ten times the STLC of 5.0 mg/l) was further analyzed for WET chromium.
- 6 samples with total lead concentrations equal to or exceeding 50 mg/kg (i.e. equal to or exceeding ten times the STLC of 5.0 mg/l) were further analyzed for WET lead.
- 16 samples with total lead in exceeding ten times the STLC of 5.0 mg/l or WET lead concentrations exceeding 5.0 mg/l were further analyzed for TCLP lead.
- 21 samples for TPHd using EPA Test Method 8015B.
- 21 samples for TPHmo using EPA Test Method 8015B.
- 11 samples for TPHg using EPA Test Method 8015B.
- 16 samples for pH using EPA Test Method 9045C.

The QA/QC equipment rinse blank sample was analyzed for total lead using EPA Test Method 6010 ICAP.

Because the initial laboratory results reported unusually high concentrations of total lead, ten samples were transferred from Torrent Laboratories to ATL to perform confirmation total lead analyses of soil samples. The affected samples were collected from borings B5, B7, B10, B13, B17, B21, B27, B32, B36, and B43. The re-analyses results confirmed the initial results and are included in Table 2. Subsequent analyses on these samples consisted of seven TCLP lead analyses and five pH analyses and were completed by ATL.

4.3 Laboratory QA/QC

QA/QC procedures were performed for each method of analysis with specificity for each analyte listed in the test method's QA/QC. The laboratory QA/QC procedures included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix; whichever was more frequent, with spike made at ten times the detection limit or at the analyte level.

Prior to submitting the samples to the laboratory, the COC documentation was reviewed for accuracy and completeness.

5.0 INVESTIGATIVE RESULTS

5.1 Subsurface Conditions

Observations during field activities indicated that soil in the project area was generally either fill material consisting of silty sands with gravel and some clay or loose, dry, light brown silty or clayey sand with occasional gravel to a depth of approximately 0.5 feet. The ground surface in the project area was impacted with significant road debris, including automobile parts, broken glass, and miscellaneous trash. The maximum boring depth was 0.5 feet. Groundwater was not encountered.

5.2 Laboratory Analytical Results

The analytical results are summarized in Tables 2 through 4 and are summarized below:

Sample Results:

- The following metals were not detected above their respective laboratory reporting limits: beryllium, selenium, silver, and thallium.
- The following metals were reported at concentrations equal to or exceeding ten times their respective STLCs: chromium, copper, lead, and nickel.
- Total chromium was reported at concentrations ranging from 24 mg/kg to 79 mg/kg.

- WET chromium was reported at a concentration of 0.32 mg/l in the single sample analyzed.
- Total copper was reported at concentrations ranging from 26 mg/kg to 260 mg/kg.
- Total lead was reported at concentrations ranging from 34 mg/kg to 16,000 mg/kg.
- WET lead was reported at concentrations ranging from 2.4 mg/l to 16 mg/l.
- TCLP lead was reported at concentrations ranging from <0.05 mg/l to 9.2 mg/l.
- Total nickel was reported at concentrations ranging from 32 mg/kg to 430 mg/kg.
- Remaining CAM 17 metals were reported in the samples at total concentrations below ten times their respective STLCs.
- TPHd was reported at concentrations ranging from 4.5 mg/kg to 61 mg/kg.
- TPHmo was reported at concentrations ranging from 140 mg/kg to 2,900 mg/kg.
- TPHg was not detected at or above the reporting limit of 100 mg/kg.
- pH ranged from 6.25 to 8.49.

QA/QC Sample Results:

- Total lead was not detected at or above the laboratory reporting limit of 0.015 mg/l in the equipment rinse blank sample.

5.3 Laboratory Quality Assurance/Quality Control

We reviewed the QA/QC results provided with the laboratory analytical reports. The data indicate non-detect results for the method blanks at or above reporting limits. The spikes in the Matrix Spike/Matrix Spike Duplicate (MS/MSD) for lead and zinc were not recoverable for one analytical batch. The sample concentration was greater than four times the spike concentration. No corrective action was required. The percent recoveries for the MS/MSD for barium, copper, selenium, and nickel were outside of laboratory control limits for one QC analytical batch. The PDS was run per method requirements and all elements recovered within the acceptance criteria. The associated Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) was within both percent recovery and RPD limits. No corrective action was required. The MS Recovery was outside of acceptance limits due to a disproportionate concentration of the analyte to spike level. The analytical batch was validated by the laboratory control sample. The relative percent difference (RPD) value was outside of acceptance criteria for one lead MSD; therefore, the calculation was based on raw values.

5.4 Statistical Evaluation for Lead Detected in Soil Samples

Statistical methods were applied to the total lead data to evaluate the upper confidence limits (UCLs) of the arithmetic means of the total lead concentrations for each sampling group.

The upper one-sided 90% and 95% UCLs of the arithmetic 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. Statistical confidence limits are the classical tool for addressing

uncertainties of a distribution mean. The UCLs of the arithmetic mean concentration are used as the mean concentrations because it is not possible to know the true mean due to the essentially infinite number of soil samples that could be collected from a site. The UCLs therefore account for uncertainties due to limited sampling data. As data become less limited at a site, uncertainties decrease, and the UCLs move closer to the true mean.

The lead data for the site were divided into four sample populations for evaluation. A summary of datasets is shown below:

Eastbound I-580 (borings B1 to B22) [Dataset 1]
Westbound I-580 (borings B23 to B44, and B48) [Dataset 2]
I-580/SR-24 Interchange (borings B45 to B47) [Dataset 3]
SFOBB Toll Plaza (borings B49 to B51) [Dataset 4]

Non-parametric bootstrap techniques were used to calculate the UCLs. The bootstrap test results are included in Appendix B. For those samples in which total lead was not detected, a value equal to one-half of the detection limit was used in the UCL calculation. For datasets with limited sample populations, UCLs could not be calculated and maximum lead concentrations were used. The following tables summarize the total lead statistics.

Eastbound I-580 (borings B1 to B22)

SAMPLE INTERVAL (feet)	TOTAL LEAD 90% UCL (mg/kg)	TOTAL LEAD 95% UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	3,064	3,269	2,316	120	11,000

Westbound I-580 (borings B23 to B44, and B48)

SAMPLE INTERVAL (feet)	TOTAL LEAD 90% UCL (mg/kg)	TOTAL LEAD 95% UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	2,815	3,105	1,953	250	16,000

I-580/SR-24 Interchange (borings B45 to B47)

SAMPLE INTERVAL (feet)	TOTAL LEAD 90% UCL (mg/kg)	TOTAL LEAD 95% UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	NC	NC	69	46	110

NC – Not calculated due to insufficient data set

SFOBB Toll Plaza (borings B49 to B51)

SAMPLE INTERVAL (feet)	TOTAL LEAD 90% UCL (mg/kg)	TOTAL LEAD 95% UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	TOTAL LEAD MINIMUM (mg/kg)	TOTAL LEAD MAXIMUM (mg/kg)
0 to 0.5	NC	NC	50.7	34	70

NC – Not calculated due to insufficient data set

6.0 CONCLUSIONS

6.1 Lead in Soil

6.1.1 Eastbound I-580 (borings B1 to B22)

Soil samples from these locations reported maximum total lead concentrations and 90% total lead UCL concentrations greater than the TTLC of 1,000 mg/kg and maximum WET lead concentrations greater than the STLC of 5 mg/l. Accordingly, soil excavated to a depth of 0.5 foot would be classified as a California hazardous waste (Caltrans Type Z-2). Based on the TCLP lead results, excavated soil would not be classified as a RCRA hazardous waste.

6.1.2 Westbound I-580 (borings B23 to B44, and B48)

Soil samples from these locations reported maximum total lead concentrations and 90% total lead UCL concentrations greater than the TTLC of 1,000 mg/kg and maximum WET lead concentrations greater than the STLC of 5 mg/l. Accordingly, soil excavated to a depth of 0.5 foot would be classified as a California hazardous waste (Caltrans Type Z-2). Based on the TCLP lead results, excavated soil would not be classified as a RCRA hazardous waste.

6.1.3 I-580/SR-24 Interchange (borings B45 to B47)

Soil samples from these locations reported maximum total lead concentrations less than the TTLC of 1,000 mg/kg and maximum WET lead concentrations less than the STLC of 5 mg/l. Accordingly, soil excavated to a depth of 0.5 foot would be classified as non-hazardous (Caltrans Type X) based on lead content.

6.1.4 SFOBB Toll Plaza (borings B49 and B51)

Soil samples from these locations reported maximum total lead concentrations less than the TTLC of 1,000 mg/kg and maximum WET lead concentrations less than the STLC of 5 mg/l. Accordingly, soil excavated to a depth of 0.5 foot would be classified as non-hazardous (Caltrans Type X) based on lead content.

6.2 Remaining CAM 17 Metals in Soil

With the exceptions of chromium, copper, and nickel, CAM 17 metals were reported in the samples at total concentrations below ten times their respective STLCs.

Samples collected from Datasets 1 and 2 (Eastbound and Westbound I-580) were not analyzed for WET chromium, WET copper, or WET nickel because these datasets are classified as California hazardous waste based on lead content.

WET chromium was reported at a concentration of 0.32 mg/l in the sample collected from boring B51 (Dataset 4), below the STLC. Therefore soil from Dataset 4 (SFOBB Toll Plaza) would be classified as non-hazardous based on chromium concentrations. Remaining metals were reported in Datasets 3 and 4 (I-580/SR-24 Interchange and SFOBB Toll Plaza) at concentrations below ten times their respective STLCs.

The CAM 17 metals concentrations in site soil were compared to ESLs. Arsenic, copper, lead, nickel and zinc were reported at concentrations greater than one or more ESL values.

Because concentrations of arsenic, copper, lead, nickel, and zinc exceeded one or more ESL, non-parametric bootstrap techniques were used to calculate the UCLs. The bootstrap test result is included in Appendix C. ESLs, UCLs, and published background concentrations for arsenic, copper, lead, nickel, and zinc are summarized in the table below:

Metal	Maximum	95% UCL	Shallow Soil Residential ESL	Shallow Soil Commercial/ Industrial ESL	Worker Direct Exposure ESL	PUBLISHED BACKGROUND MEAN[1]	PUBLISHED BACKGROUND RANGE [1]
Arsenic	22	4.04	0.39	1.6	10	3.5	0.6 to 11.0
Copper	260	142	230	230	12,000	28.7	9.1 to 96.4
Lead	16,000	2,574	80	320	320	23.9	12.4 to 97.1
Nickel	430	102	150	150	6,100	57	9 to 509
Zinc	2,400	778	600	600	93,000	149	88 to 236

Concentrations reported in mg/kg

[1] Kearney Foundation of Soil Science, March 1996

The 95% UCL arsenic concentration is greater than the residential and commercial land use ESLs; however, it is less than the construction exposure ESL and within the published background range. The SFRWQCB *November 2007 Update to Environmental Screening Levels (ESLs) Technical Document*

states that ambient background concentrations of arsenic typically exceed risk-based screening levels. In such instances, it may be more appropriate to compare site data to regionally specific established background levels.

The 95% UCL copper concentration is below the residential and commercial land use ESLs, and the construction exposure ESL; however, it is above the published background range.

The 95% UCL lead concentration is above the residential and commercial land use ESLs, the construction exposure ESL, and the published background range.

The 95% UCL nickel concentration is below the residential and commercial land use ESLs, the construction exposure ESL, and is within the published background range.

The 95% UCL zinc concentration is greater than the residential and commercial land use ESLs and the reported background range; however, it is less than the construction exposure ESL.

Based on the reported results for arsenic, cobalt, and lead, reuse or disposal of excavated soil may be restricted depending on proposed use.

Metals results for soil samples are summarized in Table 3.

6.3 Organic Compounds in Soil

TPHg was not detected at or above the laboratory reporting limits.

TPHd was reported at concentrations ranging from 4.5 mg/kg to 61 mg/kg, below the ESLs.

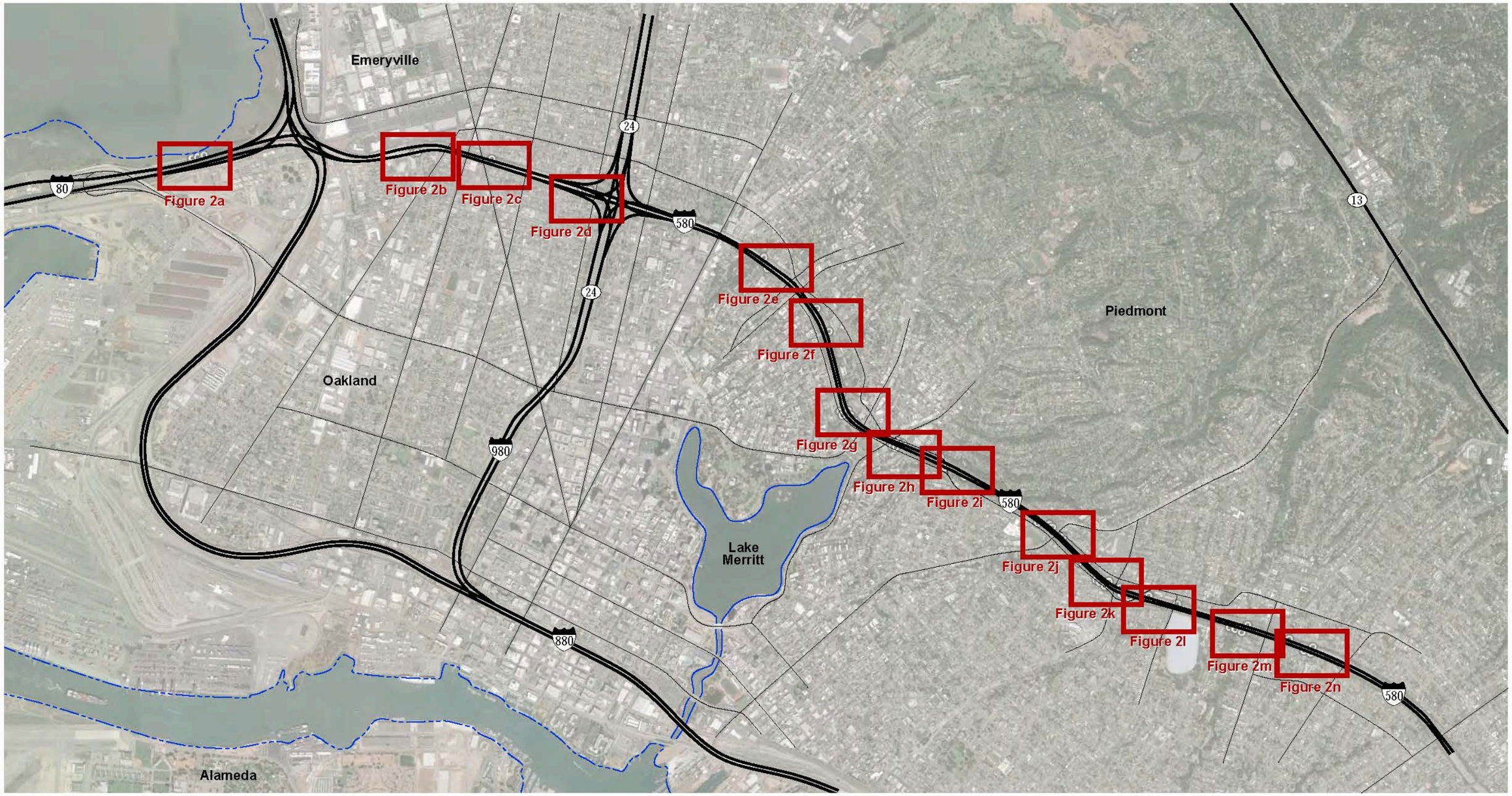
TPHmo was reported at concentrations ranging from 140 mg/kg to 2,900 mg/kg. These concentrations exceed the residential and commercial/industrial land use ESLs of 100 mg/kg and 500 mg/kg, respectively, but are below the construction/direct exposure ESL of 28,000 mg/kg. TPHmo has a 95% UCL concentration of 1,158 mg/kg.

Based on the reported TPHmo concentrations exceeding the residential ESL and commercial/industrial ESLs, reuse or disposal of excavated soil may be restricted based on TPHmo content depending on proposed use.

A summary of petroleum hydrocarbon concentrations in site soil is presented in Table 4.

6.4 Worker Protection

The contractor(s) should prepare a project-specific health and safety plan to prevent or minimize worker exposure to metals and hydrocarbons in soil. The plan should include protocols for environmental and personnel monitoring, requirements for personal protective equipment, and other health and safety protocols and procedures for the handling of soil.



N

0 1,000 2,000
APPROX. SCALE: feet

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I-580 Roadway Rehabilitation Project

Alameda County, California

KEY MAP

GEOCON Proj. No. E8721-02-02

EA No. 04-4H2211 | February 2014 | Figure 1

SITE0214

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I-580 Roadway Rehabilitation Project

Alameda County, California

SITE PLAN

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February 2014

Figure 2a

SITE0214

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I-580 Roadway Rehabilitation Project

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Figure 2b

SITE0214

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I-580 Roadway Rehabilitation Project

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SITE PLAN

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SITE0214

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I-580 Roadway Rehabilitation Project

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Figure 2d

SITE0214

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I-580 Roadway Rehabilitation Project

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Figure 2e

SITE0214

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I-580 Roadway Rehabilitation Project

Alameda County. California	SITE PLAN	
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EA No. 04-4H2211	February 2014	Figure 2f

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I-580 Roadway Rehabilitation Project

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SITE0214

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6671 BRISA STREET, LIVERMORE, CA 94550; PHONE 925 371-5900 - FAX 925 371-5915

I-580 Roadway Rehabilitation Project

Alameda County, California

SITE PLAN

GEOCON Proj. No. E8721-02-02

EA No. 04-4H2211

February 2014

Figure 2h

SITE0214

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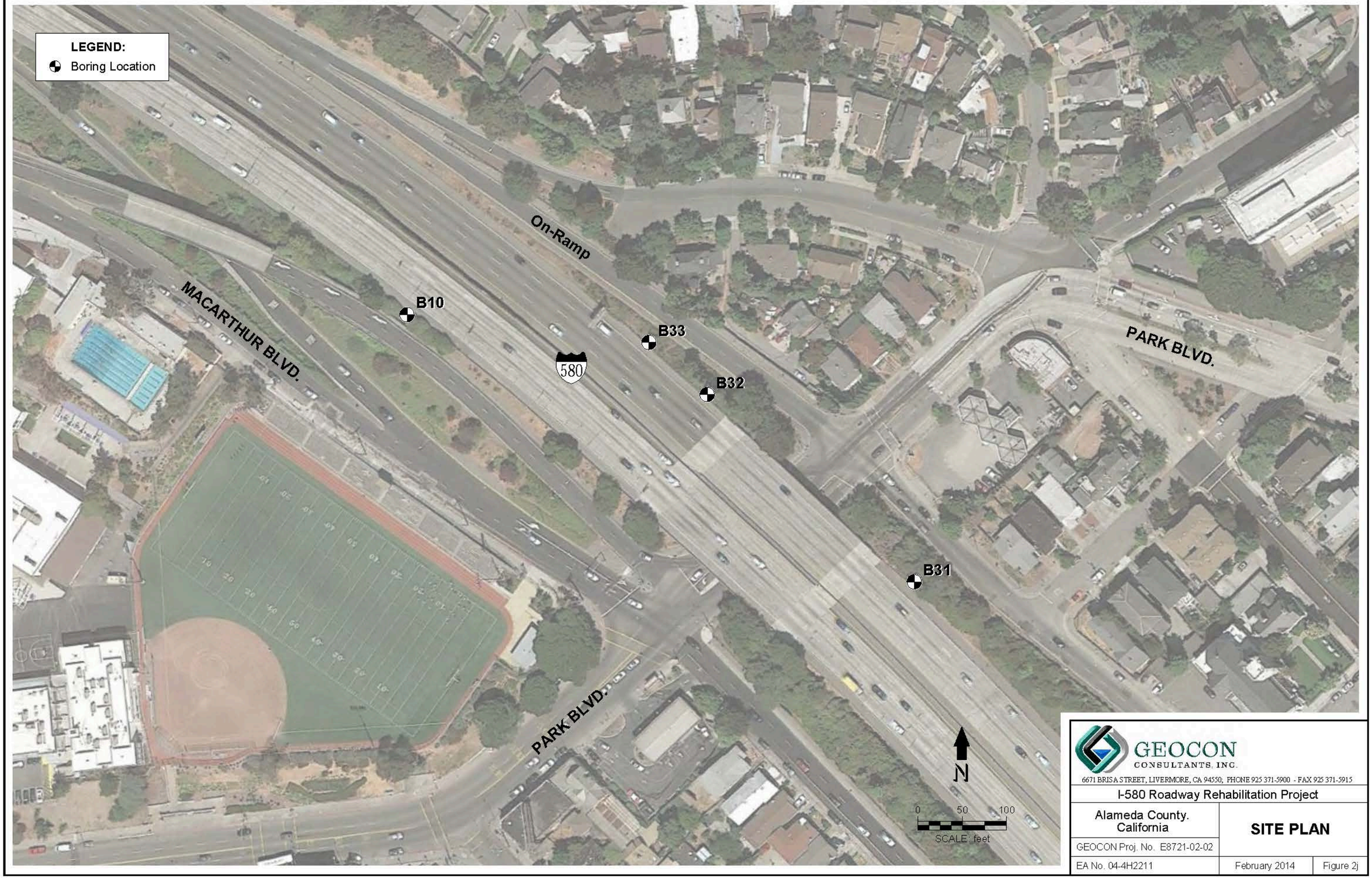
I-580 Roadway Rehabilitation Project

Alameda County, California	SITE PLAN	
GEOCON Proj. No. E8721-02-02		
EA No. 04-4H2211	February 2014	Figure 2i

SITE0214



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I-580 Roadway Rehabilitation Project

Alameda County, California	SITE PLAN	
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I-580 Roadway Rehabilitation Project

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SITE PLAN

February 2014

Figure 2k

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I-580 Roadway Rehabilitation Project

Alameda County, California

SITE PLAN

GEOCON Proj. No. E8721-02-02

EA No. 04-4H2211 | February 2014 | Figure 2l

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I-580 Roadway Rehabilitation Project

Alameda County, California

SITE PLAN

GEOCON Proj. No. E8721-02-02

EA No. 04-4H2211 | February 2014 | Figure 2m

SITE0214

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I-580 Roadway Rehabilitation Project

Alameda County, California	SITE PLAN	
GEOCON Proj. No. E8721-02-02		
EA No. 04-4H2211	February 2014	Figure 2n

SITE0214

TABLE 1
Boring Coordinates
I-580 Roadway Rehabilitation
Oakland, California

Boring	Latitude	Longitude	Northing	Easting
B1	37.826995	-122.283870	648,768.067	1,842,971.415
B2	37.827042	-122.283615	648,772.787	1,842,994.018
B3	37.820292	-122.256206	647,978.129	1,845,392.340
B4	37.811550	-122.250337	646,998.449	1,845,890.801
B5	37.811342	-122.250160	646,975.088	1,845,906.000
B7	37.809387	-122.245952	646,758.490	1,846,249.702
B6	37.809449	-122.246211	646,751.172	1,846,272.390
B8	37.808230	-122.242079	646,616.497	1,846,610.991
B9	37.807690	-122.240589	646,554.025	1,846,741.037
B10	37.804922	-122.234809	646,237.430	1,847,244.180
B11	37.802523	-122.231556	645,965.950	1,847,525.690
B12	37.801468	-122.230151	645,846.563	1,847,647.220
B13	37.801331	-122.229905	645,831.310	1,847,668.640
B14	37.801096	-122.229499	645,804.261	1,847,703.870
B15	37.800583	-122.228176	645,745.243	1,847,819.300
B16	37.800535	-122.228020	645,739.598	1,847,832.960
B17	37.800426	-122.227600	645,726.832	1,847,869.670
B18	37.798694	-122.219737	645,521.892	1,848,558.540
B19	37.798574	-122.219301	645,507.915	1,848,596.600
B20	37.798383	-122.218777	645,485.890	1,848,642.420
B21	37.797325	-122.213896	645,360.520	1,849,069.990
B22	37.797185	-122.213364	645,344.158	1,849,116.590
B23	37.797574	-122.213196	645,386.989	1,849,132.130
B24	37.798041	-122.215067	646,210.298	1,848,968.366
B25	37.798853	-122.218325	645,441.827	1,848,683.156
B26	37.800065	-122.223848	645,537.246	1,848,199.359
B27	37.800583	-122.226025	645,680.624	1,848,008.683
B28	37.801031	-122.228267	645,741.692	1,847,812.181
B29	37.801400	-122.229163	645,795.031	1,847,734.056
B30	37.802565	-122.230885	645,837.480	1,847,584.843
B31	37.804133	-122.232834	645,969.581	1,847,416.483
B32	37.804694	-122.233646	646,146.729	1,847,346.150
B33	37.804850	-122.233874	646,228.710	1,847,326.360
B34	37.808856	-122.242453	646,686.546	1,846,579.300
B35	37.809637	-122.245401	646,778.018	1,846,321.440
B36	37.809748	-122.245763	646,790.954	1,846,289.780
B37	37.810994	-122.249121	646,934.719	1,845,996.690
B38	37.811113	-122.249249	646,948.132	1,845,985.700
B39	37.811364	-122.249491	646,976.481	1,845,964.880
B40	37.811651	-122.249699	647,008.569	1,845,947.170
B41	37.812643	-122.250239	647,119.530	1,845,901.710
B42	37.816482	-122.251301	647,547.248	1,845,816.170
B43	37.817888	-122.252290	647,704.985	1,845,732.030
B44	37.820976	-122.256487	648,054.490	1,845,369.010

TABLE 1
Boring Coordinates
I-580 Roadway Rehabilitation
Oakland, California

Boring	Latitude	Longitude	Northing	Easting
B45	37.824903	-122.270136	648,512.886	1,844,175.860
B46	37.824962	-122.270423	648,519.899	1,844,150.730
B47	37.825044	-122.270759	648,529.556	1,844,121.340
B48	37.826740	-122.277760	648,729.453	1,843,508.680
B49	37.826631	-122.300193	648,755.189	1,841,534.010
B50	37.826526	-122.300699	648,744.396	1,841,489.217
B51	37.826449	-122.301123	648,736.561	1,841,451.720

Northings and Eastings shown in NAD 83, Zone 3

TABLE 2
Summary of Lead Results
I-580 Roadway Rehabilitation
Oakland, California

Sample ID	Sample Depth (feet)	Total Lead Torrent (mg/kg)	Total Lead ATL (mg/kg)	WET Lead Torrent (mg/l)	TCLP Lead Torrent (mg/l)	TCLP Lead ATL (mg/l)	pH
B1	0 to 0.5	130	---	---	---	---	---
B2	0 to 0.5	640	---	---	0.38	---	7.41
B3	0 to 0.5	230	---	14	0.14	---	---
B4	0 to 0.5	1,100	---	---	---	---	---
B5	0 to 0.5	2,200	1,700	---	---	0.89	7.1
B6	0 to 0.5	5,700	---	---	1.6	---	7.46
B7	0 to 0.5	3,800	3,500	---	---	---	---
B8	0 to 0.5	120	---	5.7	---	---	7.87
B9	0 to 0.5	2,400	---	---	0.61	---	---
B10	0 to 0.5	1,600	1,400	---	---	---	---
B11	0 to 0.5	280	---	16	<0.05	---	---
B12	0 to 0.5	790	---	---	0.10	---	---
B13	0 to 0.5	5,300	4,100	---	---	1.4	6.3
B14	0 to 0.5	6,200	---	---	---	---	---
B15	0 to 0.5	550	---	---	---	---	7.09
B16	0 to 0.5	5,500	---	---	7.6	---	---
B17	0 to 0.5	11,000	10,000	---	---	---	---
B18	0 to 0.5	380	---	---	<0.05	---	---
B19	0 to 0.5	830	---	---	---	---	---
B20	0 to 0.5	680	---	---	---	---	---
B21	0 to 0.5	1,100	1,100	---	---	0.90	---
B22	0 to 0.5	420	---	---	---	---	6.28
B23	0 to 0.5	510	---	---	0.18	---	---
B24	0 to 0.5	1,100	---	---	0.19	---	6.51
B25	0 to 0.5	530	---	---	---	---	---
B26	0 to 0.5	960	---	---	---	---	---
B27	0 to 0.5	5,300	5,900	---	---	6.6	6.8

TABLE 2
Summary of Lead Results
I-580 Roadway Rehabilitation
Oakland, California

Sample ID	Sample Depth (feet)	Total Lead Torrent (mg/kg)	Total Lead ATL (mg/kg)	WET Lead Torrent (mg/l)	TCLP Lead Torrent (mg/l)	TCLP Lead ATL (mg/l)	pH
B28	0 to 0.5	290	---	---	---	---	6.79
B29	0 to 0.5	710	---	---	0.44	---	---
B30	0 to 0.5	290	---	10	---	---	---
B31	0 to 0.5	660	---	---	---	---	---
B32	0 to 0.5	2,000	1,900	---	---	1.4	---
B33	0 to 0.5	1,600	---	---	---	---	7.2
B34	0 to 0.5	540	---	---	0.15	---	---
B35	0 to 0.5	320	---	---	---	---	---
B36	0 to 0.5	6,200	4,400	---	---	2.4	6.9
B37	0 to 0.5	1,500	---	---	2.2	---	---
B38	0 to 0.5	640	---	---	---	---	6.25
B39	0 to 0.5	700	---	---	---	---	---
B40	0 to 0.5	540	---	---	---	---	---
B41	0 to 0.5	3,000	---	---	1.8	---	---
B42	0 to 0.5	250	---	---	0.16	---	---
B43	0 to 0.5	16,000	10,000	---	---	9.2	6.9
B44	0 to 0.5	720	---	---	0.36	---	---
B45	0 to 0.5	51	---	---	---	---	---
B46	0 to 0.5	46	---	---	---	---	8.49
B47	0 to 0.5	110	---	4.6	---	---	---
B48	0 to 0.5	570	---	---	---	---	---
B49	0 to 0.5	70	---	2.4	---	---	---
B50	0 to 0.5	34	---	---	---	---	---
B51	0 to 0.5	48	---	---	---	---	7.9

TABLE 2
Summary of Lead Results
I-580 Roadway Rehabilitation
Oakland, California

Sample ID	Sample Depth (feet)	Total Lead Torrent (mg/kg)	Total Lead ATL (mg/kg)	WET Lead Torrent (mg/l)	TCLP Lead Torrent (mg/l)	TCLP Lead ATL (mg/l)	pH
Equipment Blank		<0.015					
Hazardous Waste Criteria							
TTLC (mg/kg)		1,000	1,000	---	---	---	---
STLC (mg/l)		---	---	5.0	---	---	---
TCLP (mg/l)		---	---	---	5.0	5.0	---

Notes:

Torrent = Torrent Laboratory, Inc.
ATL = Advanced Technology Laboratories, Signal Hill, CA
mg/kg = Milligrams per kilogram
mg/l = Milligrams per liter
WET = Waste Extraction Test using citric acid as the extraction fluid
TCLP = Toxicity Characteristic Leaching Procedure
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration

TABLE 3
Summary of CAM 17 Metals Results
I-580 Roadway Rehabilitation
Oakland, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B2	0 to 0.5	5.2	2.6	140	<2.0	1.1	39	13	93	640	<0.50	<5.0	51	<5.0	<1.0	<5.0	28	320
B4	0 to 0.5	6.3	<1.7	200	<2.0	1.3	35	8.9	91	1,100	<0.50	<5.0	40	<5.0	<1.0	<5.0	30	490
B6	0 to 0.5	7.1	4.1	170	<2.0	3.1	34	9.3	140	5,700	<0.50	<5.0	41	<5.0	<1.0	<5.0	23	820
B8	0 to 0.5	<5.0	<1.7	140	<2.0	<1.0	28	8.9	35	120	<0.50	<5.0	42	<5.0	<1.0	<5.0	29	140
B9	0 to 0.5	<5.0	5.1	140	<2.0	2.1	32	9.1	59	2,400	<0.50	<5.0	48	<5.0	<1.0	<5.0	24	320
B14	0 to 0.5	11	<1.7	200	<2.0	3.1	46	8.7	200	6,200	<0.50	7.7	430	<5.0	<1.0	<5.0	25	2,400
B15	0 to 0.5	12	<1.7	230	<2.0	2.1	50	12	240	550	<0.50	7.5	39	<5.0	<1.0	<5.0	26	900
B16	0 to 0.5	10	<1.7	180	<2.0	2.8	42	10	230	5,500	<0.50	<5.0	37	<5.0	<1.0	<5.0	38	1200
B22	0 to 0.5	6.0	<1.7	170	<2.0	<1.0	79	17	66	420	<0.50	<5.0	140	<5.0	<1.0	<5.0	54	440
B24	0 to 0.5	6.7	3.3	200	<2.0	2.1	62	11	96	1,100	<0.50	<5.0	91	<5.0	<1.0	<5.0	47	510
B26	0 to 0.5	19	<1.7	330	<2.0	2.3	57	11	220	960	<0.50	6.7	55	<5.0	<1.0	<5.0	33	750
B28	0 to 0.5	<5.0	<1.7	180	<2.0	1.1	50	10	49	290	<0.50	<5.0	51	<5.0	<1.0	<5.0	37	200
B30	0 to 0.5	15	22	270	<2.0	2.8	69	11	260	290	<0.50	6.0	48	<5.0	<1.0	<5.0	30	870
B33	0 to 0.5	11	<1.7	250	<2.0	2.6	52	11	240	1,600	<0.50	5.4	55	<5.0	<1.0	<5.0	30	960
B37	0 to 0.5	5.0	<1.7	200	<2.0	1.6	37	9.2	74	1,500	<0.50	<5.0	42	<5.0	<1.0	<5.0	30	620
B38	0 to 0.5	5.4	<1.7	200	<2.0	1.2	46	13	61	640	<0.50	<5.0	61	<5.0	<1.0	<5.0	46	420
B40	0 to 0.5	5.4	<1.7	220	<2.0	1.2	56	15	49	540	<0.50	<5.0	69	<5.0	<1.0	<5.0	51	300
B46	0 to 0.5	<5.0	<1.7	130	<2.0	<1.0	28	11	36	46	<0.50	<5.0	45	<5.0	<1.0	<5.0	29	76
B48	0 to 0.5	<5.0	<1.7	85	<2.0	<1.0	24	9.8	78	570	<0.50	<5.0	32	<5.0	<1.0	<5.0	28	320

TABLE 3
Summary of CAM 17 Metals Results
I-580 Roadway Rehabilitation
Oakland, California

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B50	0 to 0.5	<5.0	<1.7	79	<2.0	<1.0	31	6.9	33	34	<0.50	<5.0	45	<5.0	<1.0	<5.0	19	160
B51	0 to 0.5	<5.0	<1.7	73	<2.0	<1.0	50	8.2	26	48	<0.50	<5.0	66	<5.0	<1.0	<5.0	22	280
							0.32											
ESLs																		
Residential Land Use		20	0.39	750	4.0	12	1,000	23	230	80	6.7	40	150	10	20	0.78	200	600
Commercial/Industrial Land Use		40	1.6	1,500	8.0	12	2,500	80	230	320	10	40	150	10	40	10	200	600
Construction Worker Exposure		120	10	61,000	180	110	460,000*	49	12,000	320	27	1,500	6,100	1,500	1,500	3.1	1,500	93,000
Hazardous Waste Criteria																		
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	5.0	100	0.75	1.0	5.0	80	25	5.0	0.2	350	20	1.0	5.0	7.0	24	250
TCLP (mg/l)		---	5.0	100	---	1.0	6.0	---	---	5.0	0.2	---	---	1.0	5.0	---	---	---

Notes:

Results are shown in milligrams per kilogram (mg/kg).
*Value listed is for Chromium III, as there is no construction exposure standard for total chromium.
Values listed in italics are results of WET analysis
< = Analyte was not detected above the laboratory reporting limit.
ESLs = Environmental Screening Levels, Tables A and K-3, SFRWQCB, December 2013.
TTLC = total threshold limit concentration
STLC = soluble threshold limit concentration
TCLP = toxicity characteristic leaching procedure

TABLE 4
Summary of Petroleum Hydrocarbons Results
I-580 Roadway Rehabilitation
Oakland, California

Sample ID	Sample Depth (ft)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)
B2	0 to 0.5	19	510	<100
B4	0 to 0.5	<24	590	---
B6	0 to 0.5	<40	1,100	<100
B8	0 to 0.5	6.4	200	<100
B9	0 to 0.5	10	270	---
B14	0 to 0.5	<40	1,400	---
B15	0 to 0.5	<40	1,600	<100
B16	0 to 0.5	<80	2,600	---
B22	0 to 0.5	20	370	<100
B24	0 to 0.5	16	520	<100
B26	0 to 0.5	<80	2,900	---
B28	0 to 0.5	14	280	<100
B30	0 to 0.5	61	1,700	---
B33	0 to 0.5	<32	1,000	<100
B37	0 to 0.5	21	710	---
B38	0 to 0.5	23	690	<100
B40	0 to 0.5	11	290	---
B46	0 to 0.5	4.5	140	<100
B48	0 to 0.5	<16	630	---
B50	0 to 0.5	<32	870	---
B51	0 to 0.5	14	340	<100
	ESLs			
	Residential	100	100	100
	Commercial/Industrial	110	500	500
	Construction Exposure	900	28,000	2,700

Notes:
mg/kg = milligrams per kilogram
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
TPHg = Total petroleum hydrocarbons as gasoline
ND = Not Detected
--- = Not analyzed or no standard for this compound
< = Not detected above the stated laboratory reporting limit
ESLs = Environmental Screening Levels, Tables A and K-3, SFRWQCB, December 2013.

APPENDIX A

Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland, CA

Work Order No.: 1401091

Dear Luann Beadle:

Torrent Laboratory, Inc. received 20 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

January 24, 2014

Patti Sandrock
QA Officer

Date

Date: 1/24/2014

Client: Geocon Consultants, Inc.

Project: Oakland, CA

Work Order: 1401091

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comment for SW6010B:

Note: The spikes in the MS/MSD for Lead and Zinc are not recoverable. The sample concentration is greater than 4X the spike concentration. No corrective action is required.

Note: 1401091-002A MS/MSD, QC Analytical Batch ID 419001. The % recoveries for Barium, Copper, Selenium and Nickel are outside of laboratory control limits. A PDS was run per method requirements and all elements recovered within the acceptance criteria. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B 23 1401091-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	510	mg/Kg

B 24 1401091-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	6.7	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	3.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	62	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	96	mg/Kg
Lead	SW6010B	1	0.14	1.0	1100	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	91	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	47	mg/Kg
Zinc	SW6010B	1	0.25	5.0	510	mg/Kg

B 25 1401091-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	530	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B 26 1401091-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	19	mg/Kg
Barium	SW6010B	1	0.07	5.0	330	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.3	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	57	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	220	mg/Kg
Lead	SW6010B	1	0.14	1.0	960	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	6.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	55	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	33	mg/Kg
Zinc	SW6010B	1	0.25	5.0	750	mg/Kg

B 27 1401091-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	5	0.70	5.0	5300	mg/Kg

B 28 1401091-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	180	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	50	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	10	mg/Kg
Copper	SW6010B	1	0.650	5.0	49	mg/Kg
Lead	SW6010B	1	0.14	1.0	290	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	51	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	37	mg/Kg
Zinc	SW6010B	1	0.25	5.0	200	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B 29 1401091-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	710	mg/Kg

B 30 1401091-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	15	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	22	mg/Kg
Barium	SW6010B	1	0.07	5.0	270	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.8	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	69	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	260	mg/Kg
Lead	SW6010B	1	0.14	1.0	290	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	6.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	48	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	870	mg/Kg

B 31 1401091-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	660	mg/Kg

B 32 1401091-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	2000	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B 33 1401091-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	11	mg/Kg
Barium	SW6010B	1	0.07	5.0	250	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.6	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	52	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	240	mg/Kg
Lead	SW6010B	1	0.14	1.0	1600	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	5.4	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	55	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	960	mg/Kg

B 34 1401091-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	540	mg/Kg

B 35 1401091-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	320	mg/Kg

B 36 1401091-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	5	0.70	5.0	6200	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B 37 1401091-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.0	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.6	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	37	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	74	mg/Kg
Lead	SW6010B	1	0.14	1.0	1500	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	42	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	620	mg/Kg

B 38 1401091-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.2	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	46	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	13	mg/Kg
Copper	SW6010B	1	0.650	5.0	61	mg/Kg
Lead	SW6010B	1	0.14	1.0	640	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	61	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	46	mg/Kg
Zinc	SW6010B	1	0.25	5.0	420	mg/Kg

B 39 1401091-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	700	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B 40 1401091-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	220	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.2	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	56	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	15	mg/Kg
Copper	SW6010B	1	0.650	5.0	49	mg/Kg
Lead	SW6010B	1	0.14	1.0	540	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	69	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	51	mg/Kg
Zinc	SW6010B	1	0.25	5.0	300	mg/Kg

B 41 1401091-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	2	0.28	2.0	3000	mg/Kg

B 42 1401091-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	250	mg/Kg

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SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 23	**Lab Sample ID:**	1401091-001A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	510		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 24	**Lab Sample ID:**	1401091-002A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:40		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	6.7		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	3.3		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	200		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.1		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	62		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	96		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	1100		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	91		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	47		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	510		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 25	**Lab Sample ID:**	1401091-003A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:45		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	530		mg/Kg	419001	10636

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SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 26	**Lab Sample ID:**	1401091-004A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	19		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	330		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.3		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	57		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	220		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	960		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	6.7		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	55		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	33		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	750		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

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SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 27	**Lab Sample ID:**	1401091-005A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	5	0.70	5.0	5300		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 28	**Lab Sample ID:**	1401091-006A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:10		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	180		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.1		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	50		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	10		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	49		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	290		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	51		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	37		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	200		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 29	**Lab Sample ID:**	1401091-007A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:15		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	710		mg/Kg	419001	10636

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SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 30	**Lab Sample ID:**	1401091-008A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:25		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	15		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	22		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	270		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.8		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	69		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	260		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	290		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	6.0		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	48		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	30		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	870		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

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SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 31	**Lab Sample ID:**	1401091-009A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	660		mg/Kg	419001	10636

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 32	**Lab Sample ID:**	1401091-010A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	2000		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 33	**Lab Sample ID:**	1401091-011A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:45		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	11		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	250		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.6		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	52		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	240		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	1600		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	5.4		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	55		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	30		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	960		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 34	**Lab Sample ID:**	1401091-012A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	540		mg/Kg	419001	10636

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 35	**Lab Sample ID:**	1401091-013A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	320		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 36	**Lab Sample ID:**	1401091-014A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:05		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	5	0.70	5.0	6200		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 37	**Lab Sample ID:**	1401091-015A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:25		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	5.0		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	200		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.6		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	37		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	9.2		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	74		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	1500		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	42		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	30		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	620		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 38	**Lab Sample ID:**	1401091-016A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	5.4		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	200		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.2		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	46		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	13		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	61		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	640		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	61		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	46		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	420		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 39	**Lab Sample ID:**	1401091-017A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:32		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	700		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 40	**Lab Sample ID:**	1401091-018A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	5.4		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	220		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.2		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	56		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	15		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	49		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	540		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	69		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	51		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	300		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 41	**Lab Sample ID:**	1401091-019A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:40		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	2	0.28	2.0	3000		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B 42	**Lab Sample ID:**	1401091-020A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	250		mg/Kg	419001	10636

MB Summary Report

Work Order:	1401091	**Prep Method:**	3050	**Prep Date:**	01/22/14	**Prep Batch:**	10636
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419001
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.48	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.095	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.54	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.095	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.25	

Work Order:	1401091	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401091	**Prep Method:**	3050	**Prep Date:**	01/22/14	**Prep Batch:**	10636
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419001
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.7	96.6	0.895	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	96.0	96.4	0.374	71 - 121	30	
Barium	0.07	5.0	0.48	50	96.2	98.0	1.89	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	96.1	97.6	1.56	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	90.5	92.7	2.44	68.7 - 110	30	
Chromium	0.050	5.0	0.095	50	95.2	96.8	1.71	76 - 116	30	
Cobalt	0.055	5.0	ND	50	93.5	96.6	3.25	57.4 - 122	30	
Copper	0.65	5.0	ND	50	95.9	98.8	3.02	74.8 - 119	30	
Lead	0.14	1.0	0.54	50	97.0	97.9	0.924	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	102	102	0.391	62.9 - 123	30	
Nickel	0.050	5.0	0.095	50	94.1	96.0	2.00	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	91.0	91.8	0.832	62 - 111	30	
Silver	0.37	1.0	ND	50	91.7	94.2	2.65	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	94.4	95.4	1.04	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	97.4	101	3.33	65.8 - 122	30	
Zinc	0.25	5.0	0.25	50	89.5	92.0	2.74	59.9 - 122	30	

Work Order:	1401091	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	117	118	0.906	80.5 - 133	30	

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401091	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	**Soil**	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Spiked Sample:	1401091-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	0.00254	1.25	99.7	102	1.64	60 - 140	30	

Work Order:	1401091	**Prep Method:**	3050	**Prep Date:**	01/22/14	**Prep Batch:**	10636
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419001
Spiked Sample:	1401091-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.13	50	72.4	73.2	0.979	30.7 - 130	30	
Arsenic	0.25	1.7	0.066	50	95.3	94.6	0.787	71 - 121	30	
Barium	0.07	5.0	4.0	50	33.2	73.8	9.00	70.2 - 130	30	S
Beryllium	0.0800	2.0	0.00	50	92.9	97.8	5.09	73.3 - 115	30	
Cadmium	0.055	1.0	0.041	50	94.0	92.7	1.33	68.7 - 110	30	
Chromium	0.050	5.0	1.2	50	94.2	91.9	0.986	76 - 116	30	
Cobalt	0.055	5.0	0.22	50	102	89.1	11.0	57.4 - 122	30	
Copper	0.65	5.0	1.9	50	71.3	85.1	5.26	74.8 - 119	30	S
Lead	0.14	1.0	23	50	-74.0	8.00	3.44	67.9 - 118	30	NR
Molybdenum	0.12	5.0	0.00	50	96.6	96.5	0.0829	62.9 - 123	30	
Nickel	0.050	5.0	1.8	50	244	78.8	48.4	61.5 - 122	30	S,R
Selenium	0.42	5.0	0.00	50	56.9	56.2	1.18	62 - 111	30	S
Silver	0.37	1.0	0.00	50	95.2	97.0	1.84	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	84.6	83.5	1.37	39.2 - 125	30	
Vanadium	0.18	5.0	0.94	50	89.4	113	12.4	65.8 - 122	30	
Zinc	0.25	5.0	10	50	15.0	80.0	5.71	59.9 - 122	30	NR

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland, CA

Work Order No.: 1401091

Date and Time Received: 1/22/2014 16:40

Received By: NG

Physically Logged By: LDI

Checklist Completed By: LDI

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Login Summary Report

Client ID:	TL5648	Geocon Consultants, Inc.	**QC Level:**	
Project Name:	Oakland, CA		**TAT Requested:**	2 day:50
Project # :			**Date Received:**	1/22/2014
Report Due Date:	1/24/2014		**Time Received:**	16:40

Comments:

Work Order # : ***1401091***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401091-001A	B 23	01/21/14 9:35	Soil	07/21/14			S_6010BCAM17 EDD Courier Service	
Sample Note:	2 day Rush!! Samples -1A,3A,5A,7A,9A,10A,12A,13A,14A,17A,19A,20A only for Lead							
1401091-002A	B 24	01/21/14 9:40	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-003A	B 25	01/21/14 9:45	Soil	07/21/14			S_6010BCAM17	
1401091-004A	B 26	01/21/14 9:50	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-005A	B 27	01/21/14 10:00	Soil	07/21/14			S_6010BCAM17	
1401091-006A	B 28	01/21/14 10:10	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-007A	B 29	01/21/14 10:15	Soil	07/21/14			S_6010BCAM17	
1401091-008A	B 30	01/21/14 10:25	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-009A	B 31	01/21/14 10:30	Soil	07/21/14			S_6010BCAM17	
1401091-010A	B 32	01/21/14 10:20	Soil	07/21/14			S_6010BCAM17	
1401091-011A	B 33	01/21/14 10:45	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-012A	B 34	01/21/14 10:50	Soil	07/21/14			S_6010BCAM17	
1401091-013A	B 35	01/21/14 11:00	Soil	07/21/14			S_6010BCAM17	
1401091-014A	B 36	01/21/14 11:05	Soil	07/21/14			S_6010BCAM17	

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland, CA

Project # :

Report Due Date: 1/24/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401091***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401091-015A	B 37	01/21/14 11:25	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-016A	B 38	01/21/14 11:30	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-017A	B 39	01/21/14 11:32	Soil	07/21/14			S_6010BCAM17	
1401091-018A	B 40	01/21/14 11:35	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401091-019A	B 41	01/21/14 11:40	Soil	07/21/14			S_6010BCAM17	
1401091-020A	B 42	01/21/14 11:50	Soil	07/21/14			S_6010BCAM17	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401091

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore CA State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 FAX: cell 925-395-1669
E8721-02-02
REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: invoice EMAIL: beadle@geoconinc.com

TURNAROUND TIME: 48-hr metals Remainder standard
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPHd/mo 8015M	pH 9045					REMARKS
-001A		B23	1-21-14 0935	SOIL	1	5gal OZ BAG	X									48-hr TAT
-002A		B24	40					X	X	X	X					on all metals
-003A		B25	45				X									standard
-004A		B26	50					X		X						TAT on
-005A		B27	1000				X									remaining
-006A		B28	10					X	X	X	X					analyses
-007A		B29	15				X									
-008A		B30	25					X		X						all pages
-009A		B31	30				X									
-010A		B32	20				X									

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	Liwesay	Liwesay	1/22/14	4pm
2	Liwesay	Liwesay	1-22-14	440 PM	Navin Gobhodasara	Navin G	1/22/14	Navin G

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 1 of 6

RECD IN IBC LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401091

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-02-02

REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH 8015M	TPH d/mo 8015M	PH 9045				REMARKS
-011A		B33	1-21-14 1045	SOIL	1	SSL OR BAG		X	X	X	X				See p.1
-012A		B34	1050				X								
-013A		B35	1100				X								
-014A		B36	05				X								
-015A		B37	25												
-016A		B38	30					X	X	X	X				
-017A		B39	32				X								
-018A		B40	35					X		X					
-019A		B41	40				X								
-020A		B42	50				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4PM
2	[illegible]	Liversay	1-22-14	4:40PM	[illegible]		1/22/14	4:40 P.M

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☒ Yes ☐ NO | Method of Shipment FCS | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

RECN LIA TBL LIR

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. | Temp 3 °C | Page 2 of 6

Log In By: | Date: | Log In Reviewed By: | Date: | Rev 1

Torrent Laboratory, Inc. <pm@torrentlaboratory.com>

Geocon Samples for Caltrans I-580 Rehab

1 message

Luann Beadle <beadle@geoconinc.com> Thu, Jan 23, 2014 at 7:46 AM
To: pm@torrentlaboratory.com

Hi Torrent,

Per my conversation with Kathy last night, attached is a scan of the COC you received yesterday with the samples showing the requested analyses for sample B37. Please analyze it for CAM 17 and TPHd/mo, with the metals on 48-hr and TPH on standard TAT.

Thank you,

Luann Beadle

Luann Beadle | Senior Staff Scientist
Geocon Consultants, Inc.
6671 Brisa Street, Livermore, CA 94550
Office: 925.371.5900, ext. 403 Direct: 925.961.5272 Mobile: 925.395.1669
beadle@geoconinc.com

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2 attachments

image001.jpg
7K

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore CA State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 FAX: cell 925-395-1669
E8721-02-02
REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B33	1-21-14 1045	SOIL	1	SSL or BAG		X	X	X	X					see p.1
		B34	1050				X									
		B35	1100				X									
		B36	05				X									
		B37	25					X		X						
		B38	30					X	X	X	X					
		B39	32				X									
		B40	35					X		X						
		B41	40				X									
		B42	50				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4PM
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 2 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Rush Turnaround Services REQUEST FORM

Same Day • 24 Hrs • 48 Hrs • 72 Hrs

Torrent Express™

Confirmation Number |

Date | 1/23/14

Company | Geocon Consultants

Ordered By | Luann Beadle

Email | xxxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1401091

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☐ One Day → ☐ Noon
- ☑ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 20

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | Pb, CAM17 metals

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent Laboratory, Inc.
483 Sinclair Frontage Rd. • Milpitas, CA 95035-5414
Phone: (408) 263-5258 • Fax: (408) 263-8293
www.torrentlab.com

Invoice

DATE	INVOICE NO.
1/27/2014	1401091

BILL TO:

Geocon Consultants Inc.
6671 Brisa Street
Livermore CA 94550
Attn: Luann Beadle

beadle@geoconinc.com

P.O. NUMBER	SAMPLE SITE	REPORTED TO	TERMS	DUE DATE
E8721-02-02	Oakland CA	Luann Beadle	Net 30	2/26/2014

DESCRIPTION	QTY	PRICE	AMOUNT
Lead, Digestion	12	30.00	360.00
2 Day TAT		75.00%	270.00
Cam 17 Metals, Digestion	8	135.00	1,080.00
2 Day TAT		75.00%	810.00
Waste Disposal Fee	20	3.00	60.00
EDD Report Format	1	25.00	25.00

TLWork Order #	1401091	Sample(s) Received	1/22/2013	Total	$2,605.00

PLEASE PAY FROM E-MAILED INVOICE

Torrent Laboratory,Inc. reserves the right to amend this invoice within 90 days from the date of invoice. All invoice discrepancies must be disputed prior to invoice due date.Payments are due per terms. All past due invoices are subject to finance charge of 1.5% per month. Overdue accounts are responsible for all legal and collection fee. For billing question please contact accounts receivable at (408) 263-5258 ext.202 or 207.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401091

Company Name: Geocon Consultants Inc ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: invoice | EMAIL: beadle@geoconinc.com

TURNAROUND TIME: 48-hr metals Remainder standard
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPHd/mo 8015M	pH 9045					REMARKS
-001A		B23	1-21-14 0935	SOIL	1	4oz or BAG	X									48-hr TAT
-002A		B24	40					X	X	X	X					on all metals
-003A		B25	45				X									standard
-004A		B26	50					X		X						TAT on
-005A		B27	1000				X									remaining
-006A		B28	10					X	X	X	X					analysis
-007A		B29	15				X									
-008A		B30	25					X		X						all pages
-009A		B31	30				X									
-010A		B32	20				X									

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 PM	[illegible]	Livesay	1/22/14	4PM
2	[illegible]	Livesay	1-22-14	440 PM	[illegible]	NAVIN G	1/22/14	NAVIN G.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 1 of 6

RECEIVED TBL LIR

Log In By: Date: Log In Reviewed By: Date:

Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401091

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-02-02

REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Menth | P.O. #: | EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-011A		B33	1-21-14 1045	SOIL	1	SSL OR BAG		X	X	X	X				see p.1
-012A		B34	1050				X								
-013A		B35	1100				X								
-014A		B36	05				X								
-015A		B37	25												
-016A		B38	30					X	X	X	X				
-017A		B39	32				X								
-018A		B40	35					X		X					
-019A		B41	40				X								
-020A		B42	50				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4pm
2	[illegible]	Liversay	1-22-14	4:40pm	[illegible]		1/22/14	4:40 P.M

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

RECN LH LBL LIR

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 2 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland, CA

Work Order No.: 1401091 Rev: 1

Dear Luann Beadle:

Torrent Laboratory, Inc. received 20 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

February 10, 2014
Date

Patti Sandrock
QA Officer

Date: 2/10/2014

Client: Geocon Consultants, Inc.

Project: Oakland, CA

Work Order: 1401091

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comment for SW6010B:

Note: The spikes in the MS/MSD for Lead and Zinc are not recoverable. The sample concentration is greater than 4X the spike concentration. No corrective action is required.

Note: 1401091-002A MS/MSD, QC Analytical Batch ID 419001. The % recoveries for Barium, Copper, Selenium and Nickel are outside of laboratory control limits. A PDS was run per method requirements and all elements recovered within the acceptance criteria. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include additional analyses as per client request.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 2/3/14 @ 4:00 PM to 2/5/14 @ 12:40 PM.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid #1 was performed according to Toxicity Characteristic Leaching Procedure (TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 2/3/14 @ 8:15 PM to 2/4/14 @ 12:15 PM.

Rev 1 (2/10/14)

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B 23 1401091-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	510	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.18	mg/L

B 24 1401091-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	6.7	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	3.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	62	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	96	mg/Kg
Lead	SW6010B	1	0.14	1.0	1100	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	91	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	47	mg/Kg
Zinc	SW6010B	1	0.25	5.0	510	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.19	mg/L

B 25 1401091-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	530	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B 26 1401091-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	19	mg/Kg
Barium	SW6010B	1	0.07	5.0	330	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.3	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	57	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	220	mg/Kg
Lead	SW6010B	1	0.14	1.0	960	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	6.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	55	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	33	mg/Kg
Zinc	SW6010B	1	0.25	5.0	750	mg/Kg

B 27 1401091-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	5	0.70	5.0	5300	mg/Kg

B 28 1401091-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	180	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	50	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	10	mg/Kg
Copper	SW6010B	1	0.650	5.0	49	mg/Kg
Lead	SW6010B	1	0.14	1.0	290	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	51	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	37	mg/Kg
Zinc	SW6010B	1	0.25	5.0	200	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B 29 1401091-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	710	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.44	mg/L

B 30 1401091-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	15	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	22	mg/Kg
Barium	SW6010B	1	0.07	5.0	270	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.8	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	69	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	260	mg/Kg
Lead	SW6010B	1	0.14	1.0	290	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	6.0	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	48	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	870	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	10	mg/L

B 31 1401091-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	660	mg/Kg

B 32 1401091-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	2000	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B 33 1401091-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	11	mg/Kg
Barium	SW6010B	1	0.07	5.0	250	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.6	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	52	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	240	mg/Kg
Lead	SW6010B	1	0.14	1.0	1600	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	5.4	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	55	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	960	mg/Kg

B 34 1401091-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	540	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.15	mg/L

B 35 1401091-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	320	mg/Kg

B 36 1401091-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	5	0.70	5.0	6200	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B 37 1401091-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.0	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.6	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	37	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	74	mg/Kg
Lead	SW6010B	1	0.14	1.0	1500	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	42	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	620	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	2.2	mg/L

B 38 1401091-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.2	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	46	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	13	mg/Kg
Copper	SW6010B	1	0.650	5.0	61	mg/Kg
Lead	SW6010B	1	0.14	1.0	640	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	61	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	46	mg/Kg
Zinc	SW6010B	1	0.25	5.0	420	mg/Kg

B 39 1401091-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	700	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B 40 1401091-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	220	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.2	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	56	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	15	mg/Kg
Copper	SW6010B	1	0.650	5.0	49	mg/Kg
Lead	SW6010B	1	0.14	1.0	540	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	69	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	51	mg/Kg
Zinc	SW6010B	1	0.25	5.0	300	mg/Kg

B 41 1401091-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	2	0.28	2.0	3000	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	1.8	mg/L

B 42 1401091-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	250	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.16	mg/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 23	**Lab Sample ID:**	1401091-001A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.18		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	510		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 24	**Lab Sample ID:**	1401091-002A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:40		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.19		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	6.7		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	3.3		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	200		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.1		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	62		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	96		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	1100		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	91		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	47		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	510		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 25	**Lab Sample ID:**	1401091-003A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:45		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	530		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 26	**Lab Sample ID:**	1401091-004A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	19		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	330		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.3		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	57		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	220		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	960		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	6.7		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	55		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	33		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	750		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 27	**Lab Sample ID:**	1401091-005A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	5	0.70	5.0	5300		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 28	**Lab Sample ID:**	1401091-006A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:10		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	180		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.1		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	50		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	10		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	49		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	290		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	51		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	37		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	200		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 29	**Lab Sample ID:**	1401091-007A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:15		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.44		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	710		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 30	**Lab Sample ID:**	1401091-008A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:25		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/5/14	02/05/14	1	0.0500	0.10	10		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	15		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	22		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	270		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.8		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	69		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	260		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	290		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	6.0		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	48		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	30		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	870		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 31	**Lab Sample ID:**	1401091-009A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	660		mg/Kg	419001	10636

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 32	**Lab Sample ID:**	1401091-010A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	2000		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 33	**Lab Sample ID:**	1401091-011A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:45		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	11		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	250		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	2.6		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	52		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	11		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	240		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	1600		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	5.4		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	55		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	30		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	960		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 34	**Lab Sample ID:**	1401091-012A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.15		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	540		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 35	**Lab Sample ID:**	1401091-013A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	320		mg/Kg	419001	10636

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 36	**Lab Sample ID:**	1401091-014A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:05		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	5	0.70	5.0	6200		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 37	**Lab Sample ID:**	1401091-015A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:25		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	2.2		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	5.0		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	200		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.6		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	37		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	9.2		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	74		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	1500		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	42		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	30		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	620		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 38	**Lab Sample ID:**	1401091-016A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	5.4		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	200		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.2		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	46		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	13		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	61		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	640		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	61		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	46		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	420		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 39	**Lab Sample ID:**	1401091-017A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:32		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	700		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 40	**Lab Sample ID:**	1401091-018A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/22/14	01/23/14	1	0.20	5.0	5.4		mg/Kg	419001	10636
Arsenic	SW6010B	1/22/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419001	10636
Barium	SW6010B	1/22/14	01/23/14	1	0.07	5.0	220		mg/Kg	419001	10636
Beryllium	SW6010B	1/22/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419001	10636
Cadmium	SW6010B	1/22/14	01/23/14	1	0.0550	1.0	1.2		mg/Kg	419001	10636
Chromium	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	56		mg/Kg	419001	10636
Cobalt	SW6010B	1/22/14	01/23/14	1	0.055	5.0	15		mg/Kg	419001	10636
Copper	SW6010B	1/22/14	01/23/14	1	0.650	5.0	49		mg/Kg	419001	10636
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	540		mg/Kg	419001	10636
Molybdenum	SW6010B	1/22/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419001	10636
Nickel	SW6010B	1/22/14	01/23/14	1	0.0500	5.0	69		mg/Kg	419001	10636
Selenium	SW6010B	1/22/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419001	10636
Silver	SW6010B	1/22/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419001	10636
Thallium	SW6010B	1/22/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419001	10636
Vanadium	SW6010B	1/22/14	01/23/14	1	0.18	5.0	51		mg/Kg	419001	10636
Zinc	SW6010B	1/22/14	01/23/14	1	0.25	5.0	300		mg/Kg	419001	10636

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 41	**Lab Sample ID:**	1401091-019A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:40		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	1.8		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	2	0.28	2.0	3000		mg/Kg	419001	10636

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B 42	**Lab Sample ID:**	1401091-020A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.16		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/22/14	01/23/14	1	0.14	1.0	250		mg/Kg	419001	10636

MB Summary Report

Work Order:	1401091	**Prep Method:**	3050	**Prep Date:**	01/22/14	**Prep Batch:**	10636
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419001
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.48	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.095	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.54	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.095	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.25	

Work Order:	1401091	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401091	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1401091	**Prep Method:**	WET/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10718
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419133
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Chromium (STLC)	0.0200	0.10	ND	
Lead (STLC)	0.0500	0.10	ND	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401091	**Prep Method:**	3050	**Prep Date:**	01/22/14	**Prep Batch:**	10636
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419001
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	95.7	96.6	0.895	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	96.0	96.4	0.374	71 - 121	30	
Barium	0.07	5.0	0.48	50	96.2	98.0	1.89	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	96.1	97.6	1.56	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	90.5	92.7	2.44	68.7 - 110	30	
Chromium	0.050	5.0	0.095	50	95.2	96.8	1.71	76 - 116	30	
Cobalt	0.055	5.0	ND	50	93.5	96.6	3.25	57.4 - 122	30	
Copper	0.65	5.0	ND	50	95.9	98.8	3.02	74.8 - 119	30	
Lead	0.14	1.0	0.54	50	97.0	97.9	0.924	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	102	102	0.391	62.9 - 123	30	
Nickel	0.050	5.0	0.095	50	94.1	96.0	2.00	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	91.0	91.8	0.832	62 - 111	30	
Silver	0.37	1.0	ND	50	91.7	94.2	2.65	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	94.4	95.4	1.04	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	97.4	101	3.33	65.8 - 122	30	
Zinc	0.25	5.0	0.25	50	89.5	92.0	2.74	59.9 - 122	30	

Work Order:	1401091	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	117	118	0.906	80.5 - 133	30	

Work Order:	1401091	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.3	93.6	1.85	80 - 120	20	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401091	**Prep Method:**	WET/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10718
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419133
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.0200	0.10	ND	10	84.1	88.0	4.45	80 - 120	20	
Lead (STLC)	0.0500	0.10	ND	10	83.8	83.3	0.646	80 - 120	20	

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401091	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	**Soil**	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Spiked Sample:	1401091-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	0.00254	1.25	99.7	102	1.64	60 - 140	30	

Work Order:	1401091	**Prep Method:**	3050	**Prep Date:**	01/22/14	**Prep Batch:**	10636
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419001
Spiked Sample:	1401091-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.13	50	72.4	73.2	0.979	30.7 - 130	30	
Arsenic	0.25	1.7	0.066	50	95.3	94.6	0.787	71 - 121	30	
Barium	0.07	5.0	4.0	50	33.2	73.8	9.00	70.2 - 130	30	S
Beryllium	0.0800	2.0	0.00	50	92.9	97.8	5.09	73.3 - 115	30	
Cadmium	0.055	1.0	0.041	50	94.0	92.7	1.33	68.7 - 110	30	
Chromium	0.050	5.0	1.2	50	94.2	91.9	0.986	76 - 116	30	
Cobalt	0.055	5.0	0.22	50	102	89.1	11.0	57.4 - 122	30	
Copper	0.65	5.0	1.9	50	71.3	85.1	5.26	74.8 - 119	30	S
Lead	0.14	1.0	23	50	0.000	0.000	3.44	67.9 - 118	30	NR
Molybdenum	0.12	5.0	0.00	50	96.6	96.5	0.0829	62.9 - 123	30	
Nickel	0.050	5.0	1.8	50	244	78.8	48.4	61.5 - 122	30	S,R
Selenium	0.42	5.0	0.00	50	56.9	56.2	1.18	62 - 111	30	S
Silver	0.37	1.0	0.00	50	95.2	97.0	1.84	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	84.6	83.5	1.37	39.2 - 125	30	
Vanadium	0.18	5.0	0.94	50	89.4	113	12.4	65.8 - 122	30	
Zinc	0.25	5.0	10	50	0.000	0.000	5.71	59.9 - 122	30	NR

Work Order:	1401091	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Spiked Sample:	1401091-001A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	0.0182	10	94.2	94.5	0.281	75 - 125	20	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland, CA

Work Order No.: 1401091

Date and Time Received: 1/22/2014 16:40

Received By: NG

Physically Logged By: LDI

Checklist Completed By: LDI

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Login Summary Report

Client ID:	TL5648	Geocon Consultants, Inc.	**QC Level:**	
Project Name:	Oakland, CA		**TAT Requested:**	2 day:50
Project # :			**Date Received:**	1/22/2014
Report Due Date:	2/10/2014		**Time Received:**	16:40

Comments:

Work Order # : ***1401091***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401091-001A	B 23	01/21/14 9:35	Soil	07/21/14				
							S_6010B(TCLP) S_6010BCAM17 EDD Courier Service	
Sample Note:	2 day Rush!! Samples -1A,3A,5A,7A,9A,10A,12A,13A,14A,17A,19A,20A only for Lead							
1401091-002A	B 24	01/21/14 9:40	Soil	07/21/14				
							S_7471BHG S_6010B(TCLP) S_6010BCAM17	
1401091-003A	B 25	01/21/14 9:45	Soil	07/21/14				
							S_6010BCAM17	
1401091-004A	B 26	01/21/14 9:50	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401091-005A	B 27	01/21/14 10:00	Soil	07/21/14				
							S_6010BCAM17	
Sample Note:	TCLP for Pb							
1401091-006A	B 28	01/21/14 10:10	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401091-007A	B 29	01/21/14 10:15	Soil	07/21/14				
							S_6010B(TCLP) S_6010BCAM17	
1401091-008A	B 30	01/21/14 10:25	Soil	07/21/14				
							S_7471BHG S_6010B(STLC) S_6010BCAM17	
1401091-009A	B 31	01/21/14 10:30	Soil	07/21/14				
							S_6010BCAM17	
1401091-010A	B 32	01/21/14 10:20	Soil	07/21/14				
							S_6010BCAM17	
1401091-011A	B 33	01/21/14 10:45	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401091-012A	B 34	01/21/14 10:50	Soil	07/21/14				

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland, CA

Project # :

Report Due Date: 2/10/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401091***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							S_6010B(TCLP) S_6010BCAM17	
1401091-013A	B 35	01/21/14 11:00	Soil	07/21/14				
							S_6010BCAM17	
1401091-014A	B 36	01/21/14 11:05	Soil	07/21/14				
							S_6010BCAM17	
1401091-015A	B 37	01/21/14 11:25	Soil	07/21/14				
							S_7471BHG S_6010BCAM17 S_6010B(TCLP)	
1401091-016A	B 38	01/21/14 11:30	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401091-017A	B 39	01/21/14 11:32	Soil	07/21/14				
							S_6010BCAM17	
1401091-018A	B 40	01/21/14 11:35	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401091-019A	B 41	01/21/14 11:40	Soil	07/21/14				
							S_6010B(TCLP) S_6010BCAM17	
1401091-020A	B 42	01/21/14 11:50	Soil	07/21/14				
							S_6010B(TCLP) S_6010BCAM17	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401091

Company Name: Geocon Consultants Inc ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa st
Purpose: Caltrans Soil Sampling
City: Livermore CA State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 FAX: cell 925-395-1669
E8721-02-02
REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: invoice EMAIL: beadle@geoconinc.com

TURNAROUND TIME: 48-hr metals Remainder standard
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPHd/mo 8015M	PH 9045					REMARKS
-001A		B23	1-21-14 0935	SOIL	1	5gal OZ BAG	X									48-hr TAT
-002A		B24	40					X	X	X	X					on all metals
-003A		B25	45				X									standard
-004A		B26	50					X		X						TAT on
-005A		B27	1000				X									remaining
-006A		B28	10					X	X	X	X					analyses
-007A		B29	15				X									
-008A		B30	25					X		X						all pages
-009A		B31	30				X									
-010A		B32	20				X									

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	Lwesay	Livesay	1/22/14	4pm
2	Lwesay	Livesay	1-22-14	440 PM	Navin Gobhodasara	NAVIN G	1/22/14	NAVIN G

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 1 of 6

RECD IN IBC LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401091

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH 8015M	TPH d/mo 8015M	PH 9045				REMARKS
-011A		B33	1-21-14 1045	SOIL	1	SSL OR BAG		X	X	X	X				See p.1
-012A		B34	1050				X								
-013A		B35	1100				X								
-014A		B36	05				X								
-015A		B37	25												
-016A		B38	30					X	X	X	X				
-017A		B39	32				X								
-018A		B40	35					X		X					
-019A		B41	40				X								
-020A		B42	50				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Lively	1/22/14	4PM
2	[illegible]	Lively	1-22-14	4:40PM	[illegible]		1/22/14	4:40 P.M

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☒ Yes ☐ NO | Method of Shipment FCS | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

RECN LIA TBL LIR

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. | Temp 3 °C | Page 2 of 6

Log In By: | Date: | Log In Reviewed By: | Date: | Rev. 1

Torrent Laboratory, Inc. <pm@torrentlaboratory.com>

Geocon Samples for Caltrans I-580 Rehab

1 message

Luann Beadle <beadle@geoconinc.com> Thu, Jan 23, 2014 at 7:46 AM
To: pm@torrentlaboratory.com

Hi Torrent,

Per my conversation with Kathy last night, attached is a scan of the COC you received yesterday with the samples showing the requested analyses for sample B37. Please analyze it for CAM 17 and TPHd/mo, with the metals on 48-hr and TPH on standard TAT.

Thank you,

Luann Beadle

Luann Beadle | Senior Staff Scientist
Geocon Consultants, Inc.
6671 Brisa Street, Livermore, CA 94550
Office: 925.371.5900, ext. 403 Direct: 925.961.5272 Mobile: 925.395.1669
beadle@geoconinc.com

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2 attachments

image001.jpg
7K

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | FAX: cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: see p.1 varies

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B33	1-21-14 1045	SOIL	1	SSL or BAG		X	X	X	X					see p.1
		B34	1050				X									
		B35	1100				X									
		B36	05				X									
		B37	25					X		X						
		B38	30					X	X	X	X					
		B39	32				X									
		B40	35					X		X						
		B41	40				X									
		B42	50				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Lindsay	1/22/14	4PM
2								

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 2 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC. REQUEST FORM

Rush Turnaround Services

Same Day • 24 Hrs • 48 Hrs • 72 Hrs

Torrent Express™

Confirmation Number |

Date | 1/23/14

Company | Geocon Consultants

Ordered By | Luann Beadle

Email | xxxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1401091

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☐ One Day → ☐ Noon
- ☑ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 20

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | Pb, CAM17 metals

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1401091 **Serial #:** CO14-0036 **Print Date:** 2/7/2014

Project Name: Oakland, CA

Client: Geocon Consultants, Inc. **Requested By:** Luann Beadle

	Requested Date	Requested Time	Extended Price
Additional Test - STLC for Pb for 008; TCLP for Pb for 001, 002, 007, 012, 015, 019, 020; STD TAT	1/31/2014	1:00:00PM	

Page 1 of 1

483 Sinclair Frontage Rd., Milpitas, CA 95035 | *tel:* 408.263.5258 | *fax:* 408.263.8293 | www.torrentlab.com

Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland, CA

Work Order No.: 1401092

Dear Luann Beadle:

Torrent Laboratory, Inc. received 22 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

January 24, 2014

Patti Sandrock
QA Officer

Date

Date: 1/24/2014

Client: Geocon Consultants, Inc.

Project: Oakland, CA

Work Order: 1401092

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method S_6010B, 1401092-004A MS/MSD, QC Analytical Batch ID 419002, Note:The % recoveries for Selenium are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B43 1401092-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	10	1.4	10	16000	mg/Kg

B44 1401092-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	720	mg/Kg

B45 1401092-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	51	mg/Kg

B46 1401092-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	36	mg/Kg
Lead	SW6010B	1	0.14	1.0	46	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	45	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	76	mg/Kg

B47 1401092-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	110	mg/Kg

B49 1401092-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	70	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B50 1401092-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	79	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	31	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	6.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	33	mg/Kg
Lead	SW6010B	1	0.14	1.0	34	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	45	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	19	mg/Kg
Zinc	SW6010B	1	0.25	5.0	160	mg/Kg

B51 1401092-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	73	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	50	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	26	mg/Kg
Lead	SW6010B	1	0.14	1.0	48	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	66	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	22	mg/Kg
Zinc	SW6010B	1	0.25	5.0	280	mg/Kg

B1 1401092-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	130	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B2 1401092-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.2	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	2.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	39	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	13	mg/Kg
Copper	SW6010B	1	0.650	5.0	93	mg/Kg
Lead	SW6010B	1	0.14	1.0	640	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	51	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	28	mg/Kg
Zinc	SW6010B	1	0.25	5.0	320	mg/Kg

B3 1401092-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	230	mg/Kg

B6 1401092-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	7.1	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	4.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	3.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	34	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	140	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	41	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	23	mg/Kg
Zinc	SW6010B	1	0.25	5.0	820	mg/Kg
Lead	SW6010B	5	0.70	5.0	5700	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B7 1401092-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	2	0.28	2.0	3800	mg/Kg

B8 1401092-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	35	mg/Kg
Lead	SW6010B	1	0.14	1.0	120	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	42	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	140	mg/Kg

B9 1401092-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	32	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.1	mg/Kg
Copper	SW6010B	1	0.650	5.0	59	mg/Kg
Lead	SW6010B	1	0.14	1.0	2400	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	48	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	320	mg/Kg

B10 1401092-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	1600	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B11 1401092-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	280	mg/Kg

B12 1401092-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	790	mg/Kg

B13 1401092-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	5	0.70	5.0	5300	mg/Kg

B5 1401092-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	2200	mg/Kg

B48 1401092-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	85	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	24	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.8	mg/Kg
Copper	SW6010B	1	0.650	5.0	78	mg/Kg
Lead	SW6010B	1	0.14	1.0	570	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	32	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	28	mg/Kg
Zinc	SW6010B	1	0.25	5.0	320	mg/Kg

Equipment Blank 1401092-022

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B43	**Lab Sample ID:**	1401092-001A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	10	1.4	10	16000		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B44	**Lab Sample ID:**	1401092-002A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:05		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	720		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B45	**Lab Sample ID:**	1401092-003A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:15		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	51		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B46	**Lab Sample ID:**	1401092-004A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	130		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	28		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	11		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	36		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	46		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	45		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	29		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	76		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B47	**Lab Sample ID:**	1401092-005A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:25		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	110		mg/Kg	419002	10642

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B49	**Lab Sample ID:**	1401092-006A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	70		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B50	**Lab Sample ID:**	1401092-007A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	79		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	31		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	6.9		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	33		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	34		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	45		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	19		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	160		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B51	**Lab Sample ID:**	1401092-008A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:10		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	73		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	50		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.2		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	26		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	48		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	66		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	22		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	280		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B1	**Lab Sample ID:**	1401092-009A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	130		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B2	**Lab Sample ID:**	1401092-010A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	5.2		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	2.6		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	140		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	1.1		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	39		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	13		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	93		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	640		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	51		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	28		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	320		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B3	**Lab Sample ID:**	1401092-011A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	230		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B6	**Lab Sample ID:**	1401092-012A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	7.1		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	4.1		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	170		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	3.1		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	34		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	9.3		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	140		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	41		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	23		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	820		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	5700		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B7	**Lab Sample ID:**	1401092-013A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:40		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	2	0.28	2.0	3800		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B8	**Lab Sample ID:**	1401092-014A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 14:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	140		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	28		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.9		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	35		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	120		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	42		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	29		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	140		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B9	**Lab Sample ID:**	1401092-015A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 14:05		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	5.1		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	140		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	2.1		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	32		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	9.1		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	59		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	2400		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	48		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	24		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	320		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B10	**Lab Sample ID:**	1401092-016A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	1600		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B11	**Lab Sample ID:**	1401092-017A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	280		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B12	**Lab Sample ID:**	1401092-018A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	790		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B13	**Lab Sample ID:**	1401092-019A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	5300		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B5	**Lab Sample ID:**	1401092-020A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:55		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	2200		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B48	**Lab Sample ID:**	1401092-021A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 11:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	85		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	24		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	9.8		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	78		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	570		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	32		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	28		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	320		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	Equipment Blank	**Lab Sample ID:**	1401092-022A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	01/22/14 / 10:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/24/14	01/24/14	1	0.0050	0.015	ND		mg/L	419011	10648

MB Summary Report

Work Order:	1401092	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10642
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419002
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.45	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.070	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.31	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.095	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	ND	

MB Summary Report

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.45	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.10	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.61	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.10	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.39	

Work Order:	1401092	**Prep Method:**	3010B	**Prep Date:**	01/24/14	**Prep Batch:**	10648
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419011
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.0050	0.015	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	117	118	0.906	80.5 - 133	30	

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10642
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419002
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	90.7	90.2	0.564	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	90.1	89.5	0.635	71 - 121	30	
Barium	0.07	5.0	0.45	50	96.2	94.1	2.20	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	106	99.0	6.82	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	89.5	87.3	2.53	68.7 - 110	30	
Chromium	0.050	5.0	0.070	50	94.9	92.8	2.19	76 - 116	30	
Cobalt	0.055	5.0	ND	50	94.3	92.4	2.08	57.4 - 122	30	
Copper	0.65	5.0	ND	50	96.8	95.0	1.92	74.8 - 119	30	
Lead	0.14	1.0	0.31	50	91.3	91.2	0.132	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	96.7	96.3	0.446	62.9 - 123	30	
Nickel	0.050	5.0	0.095	50	92.0	90.0	2.20	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	85.1	84.5	0.743	62 - 111	30	
Silver	0.37	1.0	ND	50	91.2	89.5	1.89	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	90.0	89.6	0.401	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	96.7	95.0	1.73	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	88.3	87.1	1.37	59.9 - 122	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	92.2	90.3	2.13	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	91.7	90.2	1.69	71 - 121	30	
Barium	0.07	5.0	0.45	50	97.6	99.4	1.83	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.3	97.5	1.88	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	88.4	90.8	2.71	68.7 - 110	30	
Chromium	0.050	5.0	0.10	50	95.2	97.2	2.06	76 - 116	30	
Cobalt	0.055	5.0	ND	50	94.1	96.6	2.57	57.4 - 122	30	
Copper	0.65	5.0	ND	50	97.8	98.7	0.906	74.8 - 119	30	
Lead	0.14	1.0	0.61	50	93.6	91.7	2.11	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.8	95.7	2.15	62.9 - 123	30	
Nickel	0.050	5.0	0.10	50	93.1	94.9	1.95	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	87.1	85.6	1.78	62 - 111	30	
Silver	0.37	1.0	ND	50	91.3	93.4	2.27	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	92.8	90.7	2.29	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	99.5	101	1.30	65.8 - 122	30	
Zinc	0.25	5.0	0.39	50	89.5	92.2	2.98	59.9 - 122	30	

Work Order:	1401092	**Prep Method:**	3010B	**Prep Date:**	01/24/14	**Prep Batch:**	10648
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419011
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.0050	0.015	ND	1	99.8	98.3	1.49	80 - 120	20	

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10642
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419002
Spiked Sample:	1401092-004A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.00	50	78.6	78.1	0.702	30.7 - 130	30	
Arsenic	0.25	1.7	0.00	50	83.4	83.4	0.0480	71 - 121	30	
Barium	0.07	5.0	2.7	50	83.2	77.2	1.66	70.2 - 130	30	
Beryllium	0.0800	2.0	0.00	50	90.5	90.4	0.0995	73.3 - 115	30	
Cadmium	0.055	1.0	0.00	50	85.4	84.1	1.53	68.7 - 110	30	
Chromium	0.050	5.0	0.57	50	89.3	90.3	0.886	76 - 116	30	
Cobalt	0.055	5.0	0.21	50	88.7	81.7	6.86	57.4 - 122	30	
Copper	0.65	5.0	0.72	50	83.2	75.3	5.09	74.8 - 119	30	
Lead	0.14	1.0	0.93	50	102	78.3	12.9	67.9 - 118	30	
Molybdenum	0.12	5.0	0.00	50	83.9	83.6	0.358	62.9 - 123	30	
Nickel	0.050	5.0	0.90	50	83.5	79.0	2.92	61.5 - 122	30	
Selenium	0.42	5.0	0.00	50	60.4	59.4	1.75	62 - 111	30	S
Silver	0.37	1.0	0.00	50	86.4	86.6	0.173	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	74.8	75.2	0.573	39.2 - 125	30	
Vanadium	0.18	5.0	0.58	50	90.6	93.1	1.40	65.8 - 122	30	
Zinc	0.25	5.0	1.5	50	98.9	90.8	3.35	59.9 - 122	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland, CA

Work Order No.: 1401092

Date and Time Received: 1/22/2014 16:40

Received By: ng

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?				
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland, CA

Project # :

Report Due Date: 1/24/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401092***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401092-001A	B43	01/21/14 12:00	Soil	07/21/14			S_6010BCAM17 EDD	
Sample Note:	2 day Rush!! Samples -001A,2A,3A,5A,6A,9A,11A,13A,16A,17A,18A,19A,20A , 22A only for Lead							
1401092-002A	B44	01/21/14 12:05	Soil	07/21/14			S_6010BCAM17	
1401092-003A	B45	01/21/14 12:15	Soil	07/21/14			S_6010BCAM17	
1401092-004A	B46	01/21/14 12:20	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-005A	B47	01/21/14 12:25	Soil	07/21/14			S_6010BCAM17	
1401092-006A	B49	01/21/14 13:00	Soil	07/21/14			S_6010BCAM17	
1401092-007A	B50	01/21/14 12:00	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-008A	B51	01/21/14 12:10	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-009A	B1	01/21/14 13:20	Soil	07/21/14			S_6010BCAM17	
1401092-010A	B2	01/21/14 13:20	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-011A	B3	01/21/14 13:35	Soil	07/21/14			S_6010BCAM17	
1401092-012A	B6	01/21/14 13:50	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-013A	B7	01/21/14 13:40	Soil	07/21/14			S_6010BCAM17	
1401092-014A	B8	01/21/14 14:00	Soil	07/21/14			S_7471BHG S_6010BCAM17	

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland, CA

Project # :

Report Due Date: 1/24/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401092***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401092-015A	B9	01/21/14 14:05	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-016A	B10	01/22/14 9:20	Soil	07/21/14			S_6010BCAM17	
1401092-017A	B11	01/21/14 9:30	Soil	07/21/14			S_6010BCAM17	
1401092-018A	B12	01/22/14 9:30	Soil	07/21/14			S_6010BCAM17	
1401092-019A	B13	01/22/14 9:35	Soil	07/21/14			S_6010BCAM17	
1401092-020A	B5	01/22/14 10:55	Soil	07/21/14			S_6010BCAM17	
1401092-021A	B48	01/22/14 11:35	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401092-022A	Equipment Blank	01/22/14 10:00	Water	07/21/14			W_6010BCAM17	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 7 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-02-02

REPORT TO: Beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: see p1

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-001A		B43	1-21-14 1200	SOIL	1	SS/L 02 BAG	X								See p1
-002A		B44	05				X								
-003A		B45	15				X								
-004A		B46	20					X	X	X	X				
-005A		B47	25				X								
~~-006A~~		~~1-22-14 B48~~													
-006A		B49	1300				X								
-007A		B50	05					X		X					
-008A		B51	10					X	X	X	X				
-009A		B1	20				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4pm
2	[illegible]	Liversay	1-22-14	4:40 PM	[illegible]	NAVEN G	1/22/14	4:40 P.M.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 3 of 6

Log In By: REC'D LBL LIR Date: Log In Reviewed By: Date: Rev 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX:~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: See p.1

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-010A		B2	1-21-14 1320	SOIL	1	SSL OR BAG		X	X	X	X				See p.1
-011A		B3	35				X								
-012A		B6	50					X	X	X	X				
-013A		B7	40				X								
-014A		B8	1400					X	X	X	X				
-015A		B9	1405					X		X					
-016A		B10	1-22-14 0920				X								
-017A		B11	0930				X								
-018A		B12	0930				X								
-019A		B13	0935				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4 PM
2	[illegible]	Livesay	1-22-14	4:40PM	D. G. Ghodasara	NAVIN R.	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 4 of 6

REC'D LIR LBL LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p6 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-02-02

REPORT TO: Deadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-020A		B5	1-22-14/1055	Soil	1	PB	X									See p.1
-021A		B48	↓ /1135	Soil	↓	ST		X		X						↓
-022A		Equipment Blank	↓ /1000	W	1	G sw	X									regular TAT

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4 PM
2	[illegible]	Liversay	1-22-14	4:40 PM	P. Z. Khodasara	NAVIN G	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment F.C.S. Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 6 of 6

RECEIVED LJO LBO LJR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Rush Turnaround Services

Torrent LABORATORY, INC. REQUEST FORM

Same Day • 24 Hrs • 48 Hrs • 72 Hrs

Torrent Express™

Confirmation Number |

Date | 1/23/14

Company | Geocon Consultants

Ordered By | Luann Beadle

Email | xxxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1401092

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☐ One Day → ☐ Noon
- ☑ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 22

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | Pb, CAM17 metals

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent Laboratory, Inc.
483 Sinclair Frontage Rd. • Milpitas, CA 95035-5414
Phone: (408) 263-5258 • Fax: (408) 263-8293
www.torrentlab.com

Invoice

DATE	INVOICE NO.
1/27/2014	1401092

BILL TO:

Geocon Consultants Inc.
6671 Brisa Street
Livermore CA 94550
Attn: Luann Beadle

beadle@geoconinc.com

P.O. NUMBER	SAMPLE SITE	REPORTED TO	TERMS	DUE DATE
E8721-02-02	Oakland CA	Luann Beadle	Net 30	2/26/2014

DESCRIPTION	QTY	PRICE	AMOUNT
Lead, Digestion	14	30.00	420.00
2 Day TAT		75.00%	315.00
Cam 17 Metals, Digestion	8	135.00	1,080.00
2 Day TAT		75.00%	810.00
Waste Disposal Fee	22	3.00	66.00
EDD Report Format	1	25.00	25.00

TLWork Order #	1401092	Sample(s) Received	1/22/2013	Total	$2,716.00

PLEASE PAY FROM E-MAILED INVOICE

Torrent Laboratory,Inc. reserves the right to amend this invoice within 90 days from the date of invoice. All invoice discrepancies must be disputed prior to invoice due date.Payments are due per terms. All past due invoices are subject to finance charge of 1.5% per month. Overdue accounts are responsible for all legal and collection fee. For billing question please contact accounts receivable at (408) 263-5258 ext.202 or 207.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA
Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling
City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 | ~~FAX~~ Cell 925-395-1669 | E8721-0202
REPORT TO: Deadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Mentt | P.O. #: | EMAIL:

TURNAROUND TIME: see p1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-001A		B43	1-21-14 1200	SOIL	1	SSL OZ BAG	X									see p1
-002A		B44	05				X									
-003A		B45	15				X									
-004A		B46	20					X	X	X	X					
-005A		B47	25				X									
~~-006A~~		~~B48~~	~~1-22-14~~													
-006A		B49	1300				X									
-007A		B50	05					X		X						
-008A		B51	10					X	X	X	X					
-009A		B1	20				X									

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4PM
2	[illegible]	Liversay	1-22-14	4:40PM	[illegible]	Naven G	1/22/14	4:40 P.M.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 3 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

RECEIVED BY LIR

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa st
Purpose: Caltrans Soil Sampling
City: Livermore CA State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 FAX: cell 925-395-1669
E8721-02-02
REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Mentz P.O. #: EMAIL:

TURNAROUND TIME: See p.1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-010A		B2	1-21-14 1320	SOIL	1	SSL OR BAG		X	X	X	X					See p.1
-011A		B3	35				X									
-012A		B6	50					X	X	X	X					
-013A		B7	40				X									
-014A		B8	1400					X	X	X	X					
-015A		B9	1405					X		X						
-016A		B10	1-22-14 0920				X									
-017A		B11	0930				X									
-018A		B12	0930				X									
-019A		B13	0935				X									

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4 PM
2	[illegible]	Livesay	1-22-14	4:40PM	[illegible]	NAVIN G.	1/22/14	4:40PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 4 of 6

REC'D LB LBL LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p6 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: Deadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Mentt | P.O. #: | EMAIL:

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-020A		B5	1-22-14 / 1055	Soil	1	PB	X									See p.1
-021A		B48	↓ / 1135	Soil	↓	ST		X		X						↓
-022A		Equipment Blank	↓ / 1000	W	1	G SOV	X									regular TAT

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4 pm
2	[illegible]	Liversay	1-22-14	4 40 PM	D. F. Khodasara	NAVIN G	1/22/14	4:40 P.M

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment F.C.S. Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 6 of 6

REC'd LIQ LBO LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland, CA

Work Order No.: 1401092 Rev: 1

Dear Luann Beadle:

Torrent Laboratory, Inc. received 22 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

February 10, 2014

Patti Sandrock
QA Officer

Date

Date: 2/10/2014

Client: Geocon Consultants, Inc.

Project: Oakland, CA

Work Order: 1401092

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method S_6010B, 1401092-004A MS/MSD, QC Analytical Batch ID 419002, Note:The % recoveries for Selenium are outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include additional analyses as per client request.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 2/3/14 @ 4:00 PM to 2/5/14 @ 12:40 PM.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid #1 was performed according to Toxicity Characteristic Leaching Procedure (TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 2/3/14 @ 8:15 PM to 2/4/14 @ 12:15 PM.

Rev 1 (2/10/14)

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B43 1401092-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	10	1.4	10	16000	mg/Kg

B44 1401092-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	720	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.36	mg/L

B45 1401092-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	51	mg/Kg

B46 1401092-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	130	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	11	mg/Kg
Copper	SW6010B	1	0.650	5.0	36	mg/Kg
Lead	SW6010B	1	0.14	1.0	46	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	45	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	76	mg/Kg

B47 1401092-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	110	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	4.6	mg/L

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B49 1401092-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	70	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	2.4	mg/L

B50 1401092-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	79	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	31	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	6.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	33	mg/Kg
Lead	SW6010B	1	0.14	1.0	34	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	45	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	19	mg/Kg
Zinc	SW6010B	1	0.25	5.0	160	mg/Kg

B51 1401092-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	73	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	50	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	26	mg/Kg
Lead	SW6010B	1	0.14	1.0	48	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	66	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	22	mg/Kg
Zinc	SW6010B	1	0.25	5.0	280	mg/Kg
Chromium (STLC)	SW6010B	1	0.0200	0.10	0.32	mg/L

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B1 1401092-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	130	mg/Kg

B2 1401092-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	5.2	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	2.6	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	39	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	13	mg/Kg
Copper	SW6010B	1	0.650	5.0	93	mg/Kg
Lead	SW6010B	1	0.14	1.0	640	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	51	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	28	mg/Kg
Zinc	SW6010B	1	0.25	5.0	320	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.38	mg/L

B3 1401092-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	230	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	14	mg/L
Lead (TCLP)	SW6010B	1	0.05	0.10	0.14	mg/L

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B6 1401092-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	7.1	mg/Kg
Arsenic	SW6010B	1	0.25	1.7	4.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	3.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	34	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	140	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	41	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	23	mg/Kg
Zinc	SW6010B	1	0.25	5.0	820	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	1.6	mg/L
Lead	SW6010B	5	0.70	5.0	5700	mg/Kg

B7 1401092-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	2	0.28	2.0	3800	mg/Kg

B8 1401092-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	35	mg/Kg
Lead	SW6010B	1	0.14	1.0	120	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	42	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	140	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	5.7	mg/L

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B9 1401092-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.25	1.7	5.1	mg/Kg
Barium	SW6010B	1	0.07	5.0	140	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	32	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.1	mg/Kg
Copper	SW6010B	1	0.650	5.0	59	mg/Kg
Lead	SW6010B	1	0.14	1.0	2400	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	48	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	24	mg/Kg
Zinc	SW6010B	1	0.25	5.0	320	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.61	mg/L

B10 1401092-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	1600	mg/Kg

B11 1401092-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	280	mg/Kg
Lead (STLC)	SW6010B	1	0.0500	0.10	16	mg/L

B12 1401092-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	790	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	0.10	mg/L

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B13 1401092-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	5	0.70	5.0	5300	mg/Kg

B5 1401092-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	2200	mg/Kg

B48 1401092-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	85	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	24	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	9.8	mg/Kg
Copper	SW6010B	1	0.650	5.0	78	mg/Kg
Lead	SW6010B	1	0.14	1.0	570	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	32	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	28	mg/Kg
Zinc	SW6010B	1	0.25	5.0	320	mg/Kg

Equipment Blank 1401092-022

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B43	**Lab Sample ID:**	1401092-001A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	10	1.4	10	16000		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B44	**Lab Sample ID:**	1401092-002A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:05		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.36		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	720		mg/Kg	419002	10642

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B45	**Lab Sample ID:**	1401092-003A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:15		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	51		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B46	**Lab Sample ID:**	1401092-004A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	130		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	28		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	11		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	36		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	46		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	45		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	29		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	76		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B47	**Lab Sample ID:**	1401092-005A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:25		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/5/14	02/05/14	1	0.0500	0.10	4.6		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	ND		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	110		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B49	**Lab Sample ID:**	1401092-006A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/5/14	02/05/14	1	0.0500	0.10	2.4		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	ND		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	70		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B50	**Lab Sample ID:**	1401092-007A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	79		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	31		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	6.9		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	33		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	34		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	45		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	19		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	160		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B51	**Lab Sample ID:**	1401092-008A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:10		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chromium (STLC)	SW6010B	2/5/14	02/05/14	1	0.0200	0.10	0.32		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	73		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	50		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.2		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	26		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	48		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	66		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	22		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	280		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B1	**Lab Sample ID:**	1401092-009A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	130		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B2	**Lab Sample ID:**	1401092-010A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.38		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	5.2		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	2.6		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	140		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	1.1		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	39		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	13		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	93		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	640		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	51		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	28		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	320		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B3	**Lab Sample ID:**	1401092-011A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/5/14	02/05/14	1	0.0500	0.10	14		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.14		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	230		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B6	**Lab Sample ID:**	1401092-012A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:50		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	1.6		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	7.1		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	4.1		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	170		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	3.1		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	34		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	9.3		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	140		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	41		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	23		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	820		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	5700		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B7	**Lab Sample ID:**	1401092-013A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:40		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	2	0.28	2.0	3800		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B8	**Lab Sample ID:**	1401092-014A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 14:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/5/14	02/05/14	1	0.0500	0.10	5.7		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	140		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	28		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.9		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	35		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	120		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	42		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	29		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	140		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B9	**Lab Sample ID:**	1401092-015A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 14:05		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.61		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419002	10642
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	5.1		mg/Kg	419002	10642
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	140		mg/Kg	419002	10642
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419002	10642
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	2.1		mg/Kg	419002	10642
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	32		mg/Kg	419002	10642
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	9.1		mg/Kg	419002	10642
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	59		mg/Kg	419002	10642
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	2400		mg/Kg	419002	10642
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419002	10642
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	48		mg/Kg	419002	10642
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419002	10642
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419002	10642
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419002	10642
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	24		mg/Kg	419002	10642
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	320		mg/Kg	419002	10642

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B10	**Lab Sample ID:**	1401092-016A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:20		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	1600		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B11	**Lab Sample ID:**	1401092-017A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/5/14	02/05/14	1	0.0500	0.10	16		mg/L	419133	10718

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	ND		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	280		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B12	**Lab Sample ID:**	1401092-018A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:30		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	0.10		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	790		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B13	**Lab Sample ID:**	1401092-019A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	5300		mg/Kg	419002	10642

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B5	**Lab Sample ID:**	1401092-020A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:55		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	2200		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B48	**Lab Sample ID:**	1401092-021A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 11:35		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	ND		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	85		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	24		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	9.8		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	78		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	570		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	32		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	28		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	320		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	Equipment Blank	**Lab Sample ID:**	1401092-022A
Project Name/Location:	Oakland, CA	**Sample Matrix:**	Water
Project Number:			
Date/Time Sampled:	01/22/14 / 10:00		
Tag Number:	Oakland, CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/24/14	01/24/14	1	0.0050	0.015	ND		mg/L	419011	10648

MB Summary Report

Work Order:	1401092	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10642
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419002
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.45	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.070	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.31	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.095	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	ND	

MB Summary Report

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.45	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.10	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.61	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.10	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.39	

Work Order:	1401092	**Prep Method:**	3010B	**Prep Date:**	01/24/14	**Prep Batch:**	10648
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419011
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead	0.0050	0.015	ND	

Work Order:	1401092	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

MB Summary Report

Work Order:	1401092	**Prep Method:**	WET/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10718
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419133
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Chromium (STLC)	0.0200	0.10	ND	
Lead (STLC)	0.0500	0.10	ND	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	117	118	0.906	80.5 - 133	30	

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10642
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419002
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	90.7	90.2	0.564	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	90.1	89.5	0.635	71 - 121	30	
Barium	0.07	5.0	0.45	50	96.2	94.1	2.20	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	106	99.0	6.82	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	89.5	87.3	2.53	68.7 - 110	30	
Chromium	0.050	5.0	0.070	50	94.9	92.8	2.19	76 - 116	30	
Cobalt	0.055	5.0	ND	50	94.3	92.4	2.08	57.4 - 122	30	
Copper	0.65	5.0	ND	50	96.8	95.0	1.92	74.8 - 119	30	
Lead	0.14	1.0	0.31	50	91.3	91.2	0.132	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	96.7	96.3	0.446	62.9 - 123	30	
Nickel	0.050	5.0	0.095	50	92.0	90.0	2.20	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	85.1	84.5	0.743	62 - 111	30	
Silver	0.37	1.0	ND	50	91.2	89.5	1.89	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	90.0	89.6	0.401	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	96.7	95.0	1.73	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	88.3	87.1	1.37	59.9 - 122	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	92.2	90.3	2.13	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	91.7	90.2	1.69	71 - 121	30	
Barium	0.07	5.0	0.45	50	97.6	99.4	1.83	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.3	97.5	1.88	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	88.4	90.8	2.71	68.7 - 110	30	
Chromium	0.050	5.0	0.10	50	95.2	97.2	2.06	76 - 116	30	
Cobalt	0.055	5.0	ND	50	94.1	96.6	2.57	57.4 - 122	30	
Copper	0.65	5.0	ND	50	97.8	98.7	0.906	74.8 - 119	30	
Lead	0.14	1.0	0.61	50	93.6	91.7	2.11	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.8	95.7	2.15	62.9 - 123	30	
Nickel	0.050	5.0	0.10	50	93.1	94.9	1.95	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	87.1	85.6	1.78	62 - 111	30	
Silver	0.37	1.0	ND	50	91.3	93.4	2.27	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	92.8	90.7	2.29	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	99.5	101	1.30	65.8 - 122	30	
Zinc	0.25	5.0	0.39	50	89.5	92.2	2.98	59.9 - 122	30	

Work Order:	1401092	**Prep Method:**	3010B	**Prep Date:**	01/24/14	**Prep Batch:**	10648
Matrix:	Water	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419011
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.0050	0.015	ND	1	99.8	98.3	1.49	80 - 120	20	

Work Order:	1401092	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.3	93.6	1.85	80 - 120	20	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	WET/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10718
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419133
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.0200	0.10	ND	10	84.1	88.0	4.45	80 - 120	20	
Lead (STLC)	0.0500	0.10	ND	10	83.8	83.3	0.646	80 - 120	20	

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401092	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10642
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419002
Spiked Sample:	1401092-004A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.00	50	78.6	78.1	0.702	30.7 - 130	30	
Arsenic	0.25	1.7	0.00	50	83.4	83.4	0.0480	71 - 121	30	
Barium	0.07	5.0	2.7	50	83.2	77.2	1.66	70.2 - 130	30	
Beryllium	0.0800	2.0	0.00	50	90.5	90.4	0.0995	73.3 - 115	30	
Cadmium	0.055	1.0	0.00	50	85.4	84.1	1.53	68.7 - 110	30	
Chromium	0.050	5.0	0.57	50	89.3	90.3	0.886	76 - 116	30	
Cobalt	0.055	5.0	0.21	50	88.7	81.7	6.86	57.4 - 122	30	
Copper	0.65	5.0	0.72	50	83.2	75.3	5.09	74.8 - 119	30	
Lead	0.14	1.0	0.93	50	102	78.3	12.9	67.9 - 118	30	
Molybdenum	0.12	5.0	0.00	50	83.9	83.6	0.358	62.9 - 123	30	
Nickel	0.050	5.0	0.90	50	83.5	79.0	2.92	61.5 - 122	30	
Selenium	0.42	5.0	0.00	50	60.4	59.4	1.75	62 - 111	30	S
Silver	0.37	1.0	0.00	50	86.4	86.6	0.173	81.1 - 109	30	
Thallium	0.49	5.0	0.00	50	74.8	75.2	0.573	39.2 - 125	30	
Vanadium	0.18	5.0	0.58	50	90.6	93.1	1.40	65.8 - 122	30	
Zinc	0.25	5.0	1.5	50	98.9	90.8	3.35	59.9 - 122	30	

Work Order:	1401092	**Prep Method:**	WET/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10718
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419133
Spiked Sample:	1401092-014A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	0.570	10	82.9	82.2	0.573	75 - 125	20	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland, CA

Work Order No.: 1401092

Date and Time Received: 1/22/2014 16:40

Received By: ng

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?				
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID:	TL5648	Geocon Consultants, Inc.	**QC Level:**	
Project Name:	Oakland, CA		**TAT Requested:**	2 day:50
Project # :			**Date Received:**	1/22/2014
Report Due Date:	2/10/2014		**Time Received:**	16:40

Comments:

Work Order # : ***1401092***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401092-001A	B43	01/21/14 12:00	Soil	07/21/14				
							S_6010BCAM17	
							EDD	
Sample Note:	2 day Rush!! Samples -001A,2A,3A,5A,6A,9A,11A,13A,16A,17A,18A,19A,20A , 22A only for Lead							
1401092-002A	B44	01/21/14 12:05	Soil	07/21/14				
							S_6010B(TCLP)	
							S_6010BCAM17	
1401092-003A	B45	01/21/14 12:15	Soil	07/21/14				
							S_6010BCAM17	
1401092-004A	B46	01/21/14 12:20	Soil	07/21/14				
							S_7471BHG	
							S_6010BCAM17	
1401092-005A	B47	01/21/14 12:25	Soil	07/21/14				
							S_6010B(TCLP)	
							S_6010B(STLC)	
							S_6010BCAM17	
1401092-006A	B49	01/21/14 13:00	Soil	07/21/14				
							S_6010B(STLC)	
							S_6010BCAM17	
							S_6010B(TCLP)	
1401092-007A	B50	01/21/14 12:00	Soil	07/21/14				
							S_7471BHG	
							S_6010BCAM17	
1401092-008A	B51	01/21/14 12:10	Soil	07/21/14				
							S_7471BHG	
							S_6010BCAM17	
							S_6010B(STLC)	
1401092-009A	B1	01/21/14 13:20	Soil	07/21/14				
							S_6010BCAM17	
1401092-010A	B2	01/21/14 13:20	Soil	07/21/14				
							S_7471BHG	
							S_6010B(TCLP)	
							S_6010BCAM17	
1401092-011A	B3	01/21/14 13:35	Soil	07/21/14				
							S_6010B(STLC)	
							S_6010B(TCLP)	

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland, CA

Project # :

Report Due Date: 2/10/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401092***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401092-012A	B6	01/21/14 13:50	Soil	07/21/14			S_6010BCAM17 S_7471BHG	
1401092-013A	B7	01/21/14 13:40	Soil	07/21/14			S_6010B(TCLP) S_6010BCAM17	
1401092-014A	B8	01/21/14 14:00	Soil	07/21/14			S_6010BCAM17	
1401092-015A	B9	01/21/14 14:05	Soil	07/21/14			S_7471BHG S_6010B(STLC) S_6010BCAM17	
1401092-016A	B10	01/22/14 9:20	Soil	07/21/14			S_7471BHG S_6010BCAM17 S_6010B(TCLP)	
1401092-017A	B11	01/21/14 9:30	Soil	07/21/14			S_6010BCAM17	
1401092-018A	B12	01/22/14 9:30	Soil	07/21/14			S_6010B(STLC) S_6010B(TCLP) S_6010BCAM17	
1401092-019A	B13	01/22/14 9:35	Soil	07/21/14			S_6010B(TCLP) S_6010BCAM17	
1401092-020A	B5	01/22/14 10:55	Soil	07/21/14			S_6010BCAM17	
1401092-021A	B48	01/22/14 11:35	Soil	07/21/14			S_6010BCAM17	
1401092-022A	Equipment Blank	01/22/14 10:00	Water	07/21/14			S_7471BHG S_6010BCAM17 W_6010BCAM17	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 7 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-02-02

REPORT TO: Beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: see p1

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-001A		B43	1-21-14 1200	SOIL	1	SS/L 02 BAG	X								See p1
-002A		B44	05				X								
-003A		B45	15				X								
-004A		B46	20					X	X	X	X				
-005A		B47	25				X								
~~-006A~~		~~1-22-14 B48~~													
-006A		B49	1300				X								
-007A		B50	05					X		X					
-008A		B51	10					X	X	X	X				
-009A		B1	20				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4pm
2	[illegible]	Liversay	1-22-14	4:40 PM	[illegible]	NAVEN G	1/22/14	4:40 P.M.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 3 of 6

Log In By: REC'D LBL LIR N/A Date: / Log In Reviewed By: Date: Rev 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX:~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: See p.1

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-010A		B2	1-21-14 1320	SOIL	1	SSL OR BAG		X	X	X	X				See p.1
-011A		B3	35				X								
-012A		B6	50					X	X	X	X				
-013A		B7	40				X								
-014A		B8	1400					X	X	X	X				
-015A		B9	1405					X		X					
-016A		B10	1-22-14 0920				X								
-017A		B11	0930				X								
-018A		B12	0930				X								
-019A		B13	0935				X								

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4 PM
2	[illegible]	Livesay	1-22-14	4:40PM	D. G. Ghodasara	NAVIN G.	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 4 of 6

REC'D LIR LBL LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p6 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401092

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX:~~ cell 925-395-1669 | E8721-02-02

REPORT TO: Deadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-020A		B5	1-22-14/1055	Soil	1	PB	X								See p.1
-021A		B48	↓/1135	Soil	↓	ST		X		X					↓
-022A		Equipment Blank	↓/1000	W	1	G sw	X								regular TAT

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4 PM
2	[illegible]	Liversay	1-22-14	4:40 PM	D. J. Khodasara	NAVIN G	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☒ Yes ☐ NO | Method of Shipment F.C.S. | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. | Temp ____ °C | Page 6 of 6

RECEIVED LJO LBO LJR

Log In By: | Date: | Log In Reviewed By: | Date: | Rev. 1

Torrent LABORATORY, INC.

Rush Turnaround Services

Torrent LABORATORY, INC. REQUEST FORM

Same Day • 24 Hrs • 48 Hrs • 72 Hrs

Torrent Express™

Confirmation Number |

Date | 1/23/14

Company | Geocon Consultants

Ordered By | Luann Beadle

Email | xxxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1401092

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☐ One Day → ☐ Noon
- ☑ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 22

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | Pb, CAM17 metals

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

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Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1401092 **Serial #:** CO14-0037 **Print Date:** 2/7/2014

Project Name: Oakland, CA

Client: Geocon Consultants, Inc. **Requested By:** Luann Beadle

	Requested Date	Requested Time	Extended Price
Additional Test-STLC for Cr for 008; STLC for Pb for 005, 006, 011, 014, 017; TCLP Pb for 002, 010, 011, 012, 015, 017, 018; STD TAT	1/31/2014	1:00:00PM	

Page 1 of 1

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Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland,CA

Work Order No.: 1401093

Dear Luann Beadle:

Torrent Laboratory, Inc. received 10 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

January 24, 2014

Patti Sandrock
QA Officer

Date

Date: 1/24/2014

Client: Geocon Consultants, Inc.

Project: Oakland,CA

Work Order: 1401093

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B14 1401093-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	11	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	3.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	46	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.7	mg/Kg
Copper	SW6010B	1	0.650	5.0	200	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	7.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	430	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	25	mg/Kg
Zinc	SW6010B	1	0.25	5.0	2400	mg/Kg
Lead	SW6010B	5	0.70	5.0	6200	mg/Kg

B15 1401093-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	12	mg/Kg
Barium	SW6010B	1	0.07	5.0	230	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	50	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	12	mg/Kg
Copper	SW6010B	1	0.650	5.0	240	mg/Kg
Lead	SW6010B	1	0.14	1.0	550	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	7.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	39	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	26	mg/Kg
Zinc	SW6010B	1	0.25	5.0	900	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B16 1401093-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	10	mg/Kg
Barium	SW6010B	1	0.07	5.0	180	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.8	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	42	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	10	mg/Kg
Copper	SW6010B	1	0.650	5.0	230	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	37	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	38	mg/Kg
Zinc	SW6010B	1	0.25	5.0	1200	mg/Kg
Lead	SW6010B	5	0.70	5.0	5500	mg/Kg

B17 1401093-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	10	1.4	10	11000	mg/Kg

B18 1401093-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	380	mg/Kg

B19 1401093-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	830	mg/Kg

B20 1401093-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	680	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

B21 1401093-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	1100	mg/Kg

B22 1401093-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	6.0	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	79	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	17	mg/Kg
Copper	SW6010B	1	0.650	5.0	66	mg/Kg
Lead	SW6010B	1	0.14	1.0	420	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	140	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	54	mg/Kg
Zinc	SW6010B	1	0.25	5.0	440	mg/Kg

B4 1401093-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	6.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.3	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	91	mg/Kg
Lead	SW6010B	1	0.14	1.0	1100	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	40	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	490	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B14	**Lab Sample ID:**	1401093-001A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:40		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	11		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	200		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	3.1		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	46		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.7		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	200		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	7.7		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	430		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	25		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	2400		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	6200		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B15	**Lab Sample ID:**	1401093-002A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:50		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	12		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	230		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	2.1		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	50		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	12		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	240		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	550		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	7.5		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	39		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	26		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	900		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B16	**Lab Sample ID:**	1401093-003A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:55		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	10		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	180		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	2.8		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	42		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	10		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	230		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	37		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	38		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	1200		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	5500		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B17	**Lab Sample ID:**	1401093-004A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:40		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	10	1.4	10	11000		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B18	**Lab Sample ID:**	1401093-005A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:10		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	380		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B19	**Lab Sample ID:**	1401093-006A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:12		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	830		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B20	**Lab Sample ID:**	1401093-007A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:15		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	680		mg/Kg	419004	10643

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B21	**Lab Sample ID:**	1401093-008A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:30		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	1100		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B22	**Lab Sample ID:**	1401093-009A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:35		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	6.0		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	170		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	79		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	17		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	66		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	420		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	140		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	54		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	440		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418998	10640

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/24/14

Client Sample ID:	B4	**Lab Sample ID:**	1401093-010A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 11:00		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	6.3		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	200		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	1.3		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	35		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.9		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	91		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	1100		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	40		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	30		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	490		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418998	10640

MB Summary Report

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10640
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418998
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401093	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.45	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.10	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.61	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.10	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.39	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	117	118	0.906	80.5 - 133	30	

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10640
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418998
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	120	120	0.611	80.5 - 133	30	

Work Order:	1401093	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	92.2	90.3	2.13	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	91.7	90.2	1.69	71 - 121	30	
Barium	0.07	5.0	0.45	50	97.6	99.4	1.83	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.3	97.5	1.88	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	88.4	90.8	2.71	68.7 - 110	30	
Chromium	0.050	5.0	0.10	50	95.2	97.2	2.06	76 - 116	30	
Cobalt	0.055	5.0	ND	50	94.1	96.6	2.57	57.4 - 122	30	
Copper	0.65	5.0	ND	50	97.8	98.7	0.906	74.8 - 119	30	
Lead	0.14	1.0	0.61	50	93.6	91.7	2.11	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.8	95.7	2.15	62.9 - 123	30	
Nickel	0.050	5.0	0.10	50	93.1	94.9	1.95	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	87.1	85.6	1.78	62 - 111	30	
Silver	0.37	1.0	ND	50	91.3	93.4	2.27	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	92.8	90.7	2.29	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	99.5	101	1.30	65.8 - 122	30	
Zinc	0.25	5.0	0.39	50	89.5	92.2	2.98	59.9 - 122	30	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland,CA

Work Order No.: 1401093

Date and Time Received: 1/22/2014 16:40

Received By: ng

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland,CA

Project # :

Report Due Date: 1/24/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401093***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401093-001A	B14	01/22/14 9:40	Soil	07/21/14				
							S_7471BHG S_6010BCAM17 EDD	
Sample Note:	2 day Rush!! Samples 004-008 for Pb only							
1401093-002A	B15	01/22/14 9:50	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401093-003A	B16	01/22/14 9:55	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401093-004A	B17	01/22/14 9:40	Soil	07/21/14				
							S_6010BCAM17	
Sample Note:								
1401093-005A	B18	01/22/14 10:10	Soil	07/21/14				
							S_6010BCAM17	
1401093-006A	B19	01/22/14 10:12	Soil	07/21/14				
							S_6010BCAM17	
1401093-007A	B20	01/22/14 10:15	Soil	07/21/14				
							S_6010BCAM17	
1401093-008A	B21	01/22/14 10:30	Soil	07/21/14				
							S_6010BCAM17	
1401093-009A	B22	01/22/14 10:35	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	
1401093-010A	B4	01/22/14 11:00	Soil	07/21/14				
							S_7471BHG S_6010BCAM17	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 5 of

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401093

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX:~~ cell 925-395-1669 | E8721-0202

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Menth | P.O. #: | EMAIL:

TURNAROUND TIME: Metals 48-hr Remainder Regular
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total lead 6010	CAM 17 6010	TPH-g 8015M	TPH-d/mo 8015M	pH 9045				REMARKS
-001A		B14	1-22-14/0940	Soil	1	ST		X		X					See p.1
-002A		B15	0950	↓	↓	↓		X	X	X	X				
-003A		B16	0955					X		X					
-004A		B17	0955			PB	X								
-005A		B18	1010				X								
-006A		B19	1012				X								
-007A		B20	1015				X								
-008A		B21	1030				X								
-009A		B22	1035			ST		X	X	X	X				
-010A		B4	1100					X		X					

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	[illegible]	Livesay	1/22/14	4 Pm
2	[illegible]	Livesay	1-22-14	440 pm	[illegible]	Navin G	1/22/14	4:40 P.m

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☒ Yes ☐ NO | Method of Shipment FCS | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. | Temp ____ °C | Page 5 of 6

REC'D IN LAB - IR

Log In By: | Date: | Log In Reviewed By: | Date: | Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC. REQUEST FORM

Rush Turnaround Services

Same Day • 24 Hrs • 48 Hrs • 72 Hrs

Torrent Express™

Confirmation Number |

Date | 1/23/14

Company | Geocon Consultants

Ordered By | Luann Beadle

Email | xxxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1401093

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☐ One Day → ☐ Noon
- ☑ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 10

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | Pb, CAM17 metals

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent Laboratory, Inc.
483 Sinclair Frontage Rd. • Milpitas, CA 95035-5414
Phone: (408) 263-5258 • Fax: (408) 263-8293
www.torrentlab.com

Invoice

DATE	INVOICE NO.
1/27/2014	1401093

BILL TO:

Geocon Consultants Inc.
6671 Brisa Street
Livermore CA 94550
Attn: Luann Beadle

beadle@geoconinc.com

P.O. NUMBER	SAMPLE SITE	REPORTED TO	TERMS	DUE DATE
E8721-02-02	Oakland CA	Luann Beadle	Net 30	2/26/2014

DESCRIPTION	QTY	PRICE	AMOUNT
Lead, Digestion	5	30.00	150.00
2 Day TAT		75.00%	112.50
Cam 17 Metals, Digestion	5	135.00	675.00
2 Day TAT		75.00%	506.25
Waste Disposal Fee	10	3.00	30.00
EDD Report Format	1	25.00	25.00

TLWork Order #	1401093	Sample(s) Received	1/22/2013	Total	$1,498.75

PLEASE PAY FROM E-MAILED INVOICE

Torrent Laboratory,Inc. reserves the right to amend this invoice within 90 days from the date of invoice. All invoice discrepancies must be disputed prior to invoice due date.Payments are due per terms. All past due invoices are subject to finance charge of 1.5% per month. Overdue accounts are responsible for all legal and collection fee. For billing question please contact accounts receivable at (408) 263-5258 ext.202 or 207.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401093

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-0202

REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: Metals 48-hr Remainder Regular
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total lead 6010	CAM 17 6010	TPH by 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-001A		B14	1-22-14/0940	Soil	1	ST		X		X						See p.1
-002A		B15	0950					X	X	X	X					
-003A		B16	0955					X		X						
-004A		B17	0955			PB	X									
-005A		B18	1010				X									
-006A		B19	1012				X									
-007A		B20	1015				X									
-008A		B21	1030				X									
-009A		B22	1035			ST		X	X	X	X					
-010A		B4	1100					X		X						

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4pm
2	[illegible]	Liversay	1-22-14	440 pm	M. G. Ghodasara	Naven G	1/22/14	4:40 p.m

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 5 of 6

REC'D LAB - LBL - LIR

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland,CA

Work Order No.: 1401093

Dear Luann Beadle:

Torrent Laboratory, Inc. received 10 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

February 10, 2014

Patti Sandrock
QA Officer

Date

Date: 2/10/2014

Client: Geocon Consultants, Inc.

Project: Oakland,CA

Work Order: 1401093

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

REVISIONS

Report revised to include additional analyses as per client request.

TCLP

Note: Extraction of 100 g sample / 2000g TCLP Fluid # 1 was performed according to Toxicity Characteristic Leaching Procedure (TCLP) which was rotated in a rotary shaker for 18 hours (+/- 2 hours).

Date Prepared: 2/3/14 @ 8:15 PM to 2/4/14 @ 12:15 PM.

Rev. 1 (2/10/14)

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B14 1401093-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	11	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	3.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	46	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.7	mg/Kg
Copper	SW6010B	1	0.650	5.0	200	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	7.7	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	430	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	25	mg/Kg
Zinc	SW6010B	1	0.25	5.0	2400	mg/Kg
Lead	SW6010B	5	0.70	5.0	6200	mg/Kg

B15 1401093-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	12	mg/Kg
Barium	SW6010B	1	0.07	5.0	230	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.1	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	50	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	12	mg/Kg
Copper	SW6010B	1	0.650	5.0	240	mg/Kg
Lead	SW6010B	1	0.14	1.0	550	mg/Kg
Molybdenum	SW6010B	1	0.120	5.0	7.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	39	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	26	mg/Kg
Zinc	SW6010B	1	0.25	5.0	900	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B16 1401093-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	10	mg/Kg
Barium	SW6010B	1	0.07	5.0	180	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	2.8	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	42	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	10	mg/Kg
Copper	SW6010B	1	0.650	5.0	230	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	37	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	38	mg/Kg
Zinc	SW6010B	1	0.25	5.0	1200	mg/Kg
Lead (TCLP)	SW6010B	1	0.05	0.10	7.6	mg/L
Lead	SW6010B	5	0.70	5.0	5500	mg/Kg

B17 1401093-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	10	1.4	10	11000	mg/Kg

B18 1401093-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	380	mg/Kg

B19 1401093-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	830	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

B20 1401093-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	680	mg/Kg

B21 1401093-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Lead	SW6010B	1	0.14	1.0	1100	mg/Kg

B22 1401093-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	6.0	mg/Kg
Barium	SW6010B	1	0.07	5.0	170	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	79	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	17	mg/Kg
Copper	SW6010B	1	0.650	5.0	66	mg/Kg
Lead	SW6010B	1	0.14	1.0	420	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	140	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	54	mg/Kg
Zinc	SW6010B	1	0.25	5.0	440	mg/Kg

B4 1401093-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Antimony	SW6010B	1	0.20	5.0	6.3	mg/Kg
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Cadmium	SW6010B	1	0.0550	1.0	1.3	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	35	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.9	mg/Kg
Copper	SW6010B	1	0.650	5.0	91	mg/Kg
Lead	SW6010B	1	0.14	1.0	1100	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	40	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	490	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B14	**Lab Sample ID:**	1401093-001A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:40		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	11		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	200		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	3.1		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	46		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.7		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	200		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	7.7		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	430		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	25		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	2400		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	6200		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B15	**Lab Sample ID:**	1401093-002A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:50		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	12		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	230		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	2.1		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	50		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	12		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	240		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	550		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	7.5		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	39		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	26		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	900		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B16	**Lab Sample ID:**	1401093-003A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:55		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	7.6		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	10		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	180		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	2.8		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	42		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	10		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	230		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	37		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	38		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	1200		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	5	0.70	5.0	5500		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418999	10639

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SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B17	**Lab Sample ID:**	1401093-004A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:40		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	10	1.4	10	11000		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B18	**Lab Sample ID:**	1401093-005A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:10		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (TCLP)	SW6010B	2/5/14	02/05/14	1	0.05	0.10	ND		mg/L	419132	10717

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	380		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B19	**Lab Sample ID:**	1401093-006A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:12		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	830		mg/Kg	419004	10643

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B20	**Lab Sample ID:**	1401093-007A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:15		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	680		mg/Kg	419004	10643

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B21	**Lab Sample ID:**	1401093-008A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:30		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	1100		mg/Kg	419004	10643

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B22	**Lab Sample ID:**	1401093-009A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:35		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	6.0		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	170		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	ND		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	79		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	17		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	66		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	420		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	140		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	54		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	440		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418998	10640

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 02/10/14

Client Sample ID:	B4	**Lab Sample ID:**	1401093-010A
Project Name/Location:	Oakland,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 11:00		
Tag Number:	Oakland,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	1/23/14	01/23/14	1	0.20	5.0	6.3		mg/Kg	419004	10643
Arsenic	SW6010B	1/23/14	01/23/14	1	0.25	1.7	ND		mg/Kg	419004	10643
Barium	SW6010B	1/23/14	01/23/14	1	0.07	5.0	200		mg/Kg	419004	10643
Beryllium	SW6010B	1/23/14	01/23/14	1	0.0800	2.0	ND		mg/Kg	419004	10643
Cadmium	SW6010B	1/23/14	01/23/14	1	0.0550	1.0	1.3		mg/Kg	419004	10643
Chromium	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	35		mg/Kg	419004	10643
Cobalt	SW6010B	1/23/14	01/23/14	1	0.055	5.0	8.9		mg/Kg	419004	10643
Copper	SW6010B	1/23/14	01/23/14	1	0.650	5.0	91		mg/Kg	419004	10643
Lead	SW6010B	1/23/14	01/23/14	1	0.14	1.0	1100		mg/Kg	419004	10643
Molybdenum	SW6010B	1/23/14	01/23/14	1	0.120	5.0	ND		mg/Kg	419004	10643
Nickel	SW6010B	1/23/14	01/23/14	1	0.0500	5.0	40		mg/Kg	419004	10643
Selenium	SW6010B	1/23/14	01/23/14	1	0.42	5.0	ND		mg/Kg	419004	10643
Silver	SW6010B	1/23/14	01/23/14	1	0.37	1.0	ND		mg/Kg	419004	10643
Thallium	SW6010B	1/23/14	01/23/14	1	0.49	5.0	ND		mg/Kg	419004	10643
Vanadium	SW6010B	1/23/14	01/23/14	1	0.18	5.0	30		mg/Kg	419004	10643
Zinc	SW6010B	1/23/14	01/23/14	1	0.25	5.0	490		mg/Kg	419004	10643

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	1/23/14	01/23/14	1	0.2	0.50	ND		mg/Kg	418998	10640

MB Summary Report

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10640
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418998
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Work Order:	1401093	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.45	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.10	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.61	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.10	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	0.39	

MB Summary Report

Work Order:	1401093	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10639
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418999
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	117	118	0.906	80.5 - 133	30	

Work Order:	1401093	**Prep Method:**	7471	**Prep Date:**	01/23/14	**Prep Batch:**	10640
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	01/23/14	**Analytical Batch:**	418998
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	120	120	0.611	80.5 - 133	30	

Work Order:	1401093	**Prep Method:**	3050	**Prep Date:**	01/23/14	**Prep Batch:**	10643
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419004
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	92.2	90.3	2.13	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	91.7	90.2	1.69	71 - 121	30	
Barium	0.07	5.0	0.45	50	97.6	99.4	1.83	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.3	97.5	1.88	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	88.4	90.8	2.71	68.7 - 110	30	
Chromium	0.050	5.0	0.10	50	95.2	97.2	2.06	76 - 116	30	
Cobalt	0.055	5.0	ND	50	94.1	96.6	2.57	57.4 - 122	30	
Copper	0.65	5.0	ND	50	97.8	98.7	0.906	74.8 - 119	30	
Lead	0.14	1.0	0.61	50	93.6	91.7	2.11	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	97.8	95.7	2.15	62.9 - 123	30	
Nickel	0.050	5.0	0.10	50	93.1	94.9	1.95	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	87.1	85.6	1.78	62 - 111	30	
Silver	0.37	1.0	ND	50	91.3	93.4	2.27	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	92.8	90.7	2.29	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	99.5	101	1.30	65.8 - 122	30	
Zinc	0.25	5.0	0.39	50	89.5	92.2	2.98	59.9 - 122	30	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401093	**Prep Method:**	1311/3010B	**Prep Date:**	02/05/14	**Prep Batch:**	10717
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	02/05/14	**Analytical Batch:**	419132
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.10	ND	10	95.3	93.6	1.85	80 - 120	20	

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland,CA

Work Order No.: 1401093

Date and Time Received: 1/22/2014 16:40

Received By: ng

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID: TL5648 Geocon Consultants, Inc.

Project Name: Oakland,CA

Project # :

Report Due Date: 2/10/2014

QC Level:

TAT Requested: 2 day:50

Date Received: 1/22/2014

Time Received: 16:40

Comments:

Work Order # : ***1401093***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401093-001A	B14	01/22/14 9:40	Soil	07/21/14			S_7471BHG S_6010BCAM17 EDD	
Sample Note:	2 day Rush!! Samples 004-008 for Pb only							
1401093-002A	B15	01/22/14 9:50	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401093-003A	B16	01/22/14 9:55	Soil	07/21/14			S_7471BHG S_6010BCAM17 S_6010B(TCLP)	
1401093-004A	B17	01/22/14 9:40	Soil	07/21/14			S_6010BCAM17	
Sample Note:								
1401093-005A	B18	01/22/14 10:10	Soil	07/21/14			S_6010B(TCLP) S_6010BCAM17	
1401093-006A	B19	01/22/14 10:12	Soil	07/21/14			S_6010BCAM17	
1401093-007A	B20	01/22/14 10:15	Soil	07/21/14			S_6010BCAM17	
1401093-008A	B21	01/22/14 10:30	Soil	07/21/14			S_6010BCAM17	
1401093-009A	B22	01/22/14 10:35	Soil	07/21/14			S_7471BHG S_6010BCAM17	
1401093-010A	B4	01/22/14 11:00	Soil	07/21/14			S_7471BHG S_6010BCAM17	

Torrent LABORATORY, INC.

483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 5 of

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401093

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX:~~ cell 925-395-1669 | E8721-0202

REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Menth | P.O. #: | EMAIL:

TURNAROUND TIME: Metals 48-hr Remainder Regular
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total lead 6010	CAM 17 6010	TPH-g 8015M	TPH-d/mo 8015M	pH 9045				REMARKS
-001A		B14	1-22-14/0940	Soil	1	ST		X		X					See p.1
-002A		B15	0950					X	X	X	X				
-003A		B16	0955					X		X					
-004A		B17	0955			PB	X								
-005A		B18	1010				X								
-006A		B19	1012				X								
-007A		B20	1015				X								
-008A		B21	1030				X								
-009A		B22	1035			ST		X	X	X	X				
-010A		B4	1100					X		X					

RUSH 2 DAYS

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	[illegible]	Livesay	1/22/14	4 pm
2	[illegible]	Livesay	1-22-14	440 pm	[illegible]	Navin G	1/22/14	4:40 p.m.

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☒ Yes ☐ NO | Method of Shipment FCS | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. | Temp ____ °C | Page 5 of 6

REQ'D LIQ LBL ___ IR

Log In By: | Date: | Log In Reviewed By: | Date: | Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC. REQUEST FORM

Rush Turnaround Services

Same Day • 24 Hrs • 48 Hrs • 72 Hrs

Torrent Express™

Confirmation Number |

Date | 1/23/14

Company | Geocon Consultants

Ordered By | Luann Beadle

Email | xxxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1401093

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☐ One Day → ☐ Noon
- ☑ 2 Day → ☐ Noon
- ☐ 3 Day → ☐ Noon
- ☐ 4 Day → ☐ Noon

Number of Samples | 10

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | Pb, CAM17 metals

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

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Torrent LABORATORY, INC.

Torrent LABORATORY, INC.

Change Order

Work Order: 1401093 **Serial #:** CO14-0038 **Print Date:** 1/31/2014

Project Name: Oakland,CA

Client: Geocon Consultants, Inc. **Requested By:** Luann Beadle

	Requested Date	Requested Time	Extended Price
Additional Test - TCLP for Pb for 003, 005; STD TAT	1/31/2014	1:00:00PM	

Page 1 of 1

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Geocon Consultants, Inc.
6671 Brisa Street
Livermore, California 94550
Tel: 925-371-5900

RE: Oakland ,CA

Work Order No.: 1401095

Dear Luann Beadle:

Torrent Laboratory, Inc. received 20 sample(s) on January 22, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

January 29, 2014

Patti Sandrock
QA Officer

Date

Date: 1/29/2014

Client: Geocon Consultants, Inc.

Project: Oakland ,CA

Work Order: 1401095

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

B24 1401095-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	6.51	S.U.
TPH as Diesel	SW8015B(M)	4	4.00	16	16	mg/Kg
TPH as Motor Oil	SW8015B(M)	4	8.00	82	520	mg/Kg

B26 1401095-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	4	40.0	410	2900	mg/Kg

B28 1401095-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	6.79	S.U.
TPH as Diesel	SW8015B(M)	4	2.00	8.0	14	mg/Kg
TPH as Motor Oil	SW8015B(M)	4	4.00	41	280	mg/Kg

B30 1401095-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	2	10.0	40	61	mg/Kg
TPH as Motor Oil	SW8015B(M)	2	20.0	210	1700	mg/Kg

B33 1401095-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	7.20	S.U.
TPH as Motor Oil	SW8015B(M)	4	16.0	160	1000	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

B38 1401095-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	6.25	S.U.
TPH as Diesel	SW8015B(M)	4	4.00	16	23	mg/Kg
TPH as Motor Oil	SW8015B(M)	4	8.00	82	690	mg/Kg

B40 1401095-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	4	2.00	8.0	11	mg/Kg
TPH as Motor Oil	SW8015B(M)	4	4.00	41	290	mg/Kg

B46 1401095-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	8.49	S.U.
TPH as Diesel	SW8015B(M)	2	1.00	4.0	4.5	mg/Kg
TPH as Motor Oil	SW8015B(M)	2	2.00	21	140	mg/Kg

B50 1401095-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	4	16.0	160	870	mg/Kg

B51 1401095-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	7.90	S.U.
TPH as Diesel	SW8015B(M)	1	2.00	8.0	14	mg/Kg
TPH as Motor Oil	SW8015B(M)	1	4.00	41	340	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

B2 1401095-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	7.41	S.U.
TPH as Diesel	SW8015B(M)	2	4.00	16	19	mg/Kg
TPH as Motor Oil	SW8015B(M)	2	8.00	82	510	mg/Kg

B6 1401095-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	7.46	S.U.
TPH as Motor Oil	SW8015B(M)	5	20.0	210	1100	mg/Kg

B8 1401095-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	7.87	S.U.
TPH as Diesel	SW8015B(M)	3	1.50	6.0	6.4	mg/Kg
TPH as Motor Oil	SW8015B(M)	3	3.00	31	200	mg/Kg

B9 1401095-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	4	2.00	8.0	10	mg/Kg
TPH as Motor Oil	SW8015B(M)	4	4.00	41	270	mg/Kg

B14 1401095-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	5	20.0	210	1400	mg/Kg

Sample Result Summary

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

B15 1401095-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	7.09	S.U.
TPH as Motor Oil	SW8015B(M)	5	20.0	210	1600	mg/Kg

B16 1401095-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	4	40.0	410	2600	mg/Kg

B22 1401095-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
pH	SW9045C	1	0.10	2.0	6.28	S.U.
TPH as Diesel	SW8015B(M)	2	2.00	8.0	20	mg/Kg
TPH as Motor Oil	SW8015B(M)	2	4.00	41	370	mg/Kg

B4 1401095-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	3	12.0	120	590	mg/Kg

B48 1401095-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Motor Oil	SW8015B(M)	2	8.00	82	630	mg/Kg

B37 1401095-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Diesel	SW8015B(M)	5	5.00	20	21	mg/Kg
TPH as Motor Oil	SW8015B(M)	5	10.0	100	710	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B24	**Lab Sample ID:**	1401095-001A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:40		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	13.7	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	6.51		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	4.00	16	16	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	8.00	82	520		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	129		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B26	**Lab Sample ID:**	1401095-002A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 9:50		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	20.0	80	ND		mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	40.0	410	2900		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	0.000	D	%	419037	10637

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B28	**Lab Sample ID:**	1401095-003A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:10		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	40.3	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	6.79		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/24/14	01/27/14	4	2.00	8.0	14	x	mg/Kg	419039	10649
TPH as Motor Oil	SW8015B(M)	1/24/14	01/27/14	4	4.00	41	280		mg/Kg	419039	10649
Pentacosane (S)	SW8015B(M)	1/24/14	01/27/14	4	57.9	129	128		%	419039	10649

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B30	**Lab Sample ID:**	1401095-004A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:25		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	2	10.0	40	61	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	2	20.0	210	1700		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	2	57.9	129	0.000	D	%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B33	**Lab Sample ID:**	1401095-005A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:45		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	2.57	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	7.20		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	8.00	32	ND		mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	16.0	160	1000		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	121		%	419037	10637

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B38	**Lab Sample ID:**	1401095-006A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:30		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	10.1	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	6.25		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	4.00	16	23	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	8.00	82	690		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	115		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B40	**Lab Sample ID:**	1401095-007A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 11:35		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	2.00	8.0	11	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	4.00	41	290		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	104		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B46	**Lab Sample ID:**	1401095-008A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 12:20		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	45.2		%	419017	10650

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	8.49		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	2	1.00	4.0	4.5	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	2	2.00	21	140		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	2	57.9	129	101		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B50	**Lab Sample ID:**	1401095-009A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:05		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	8.00	32	ND		mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	16.0	160	870		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	0.000	D	%	419037	10637

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B51	**Lab Sample ID:**	1401095-010A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:10		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/27/14	01/27/14	1	30	100	ND		ug/Kg	419068	10672
(S) 4-Bromofluorobenzene	8260TPH	1/27/14	01/27/14	1	43.9	127	47.9		%	419068	10672

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	7.90		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	1	2.00	8.0	14	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	1	4.00	41	340		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	1	57.9	129	128		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B2	**Lab Sample ID:**	1401095-011A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:25		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	17.8	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	7.41		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	2	4.00	16	19	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	2	8.00	82	510		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	2	57.9	129	124		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B6	**Lab Sample ID:**	1401095-012A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 13:50		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	1.44	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits. Duplicate analysis yielded similar results indicating a matrix effect.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	7.46		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	5	10.0	40	ND		mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	5	20.0	210	1100		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	5	57.9	129	0.000	D	%	419037	10637

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B8	**Lab Sample ID:**	1401095-013A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 14:00		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	50.1		%	419017	10650

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	7.87		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	3	1.50	6.0	6.4	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	3	3.00	31	200		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	3	57.9	129	122		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B9	**Lab Sample ID:**	1401095-014A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 14:05		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	4	2.00	8.0	10	x	mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	4	4.00	41	270		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	4	57.9	129	105		%	419037	10637

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B14	**Lab Sample ID:**	1401095-015A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:40		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	5	10.0	40	ND		mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	5	20.0	210	1400		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	5	57.9	129	0.000	D	%	419037	10637

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B15	**Lab Sample ID:**	1401095-016A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:50		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	0.558	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits. Duplicate analysis yielded similar results indicating a matrix effect.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	7.09		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/23/14	01/27/14	5	10.0	40	ND		mg/Kg	419037	10637
TPH as Motor Oil	SW8015B(M)	1/23/14	01/27/14	5	20.0	210	1600		mg/Kg	419037	10637
Pentacosane (S)	SW8015B(M)	1/23/14	01/27/14	5	57.9	129	0.000	D	%	419037	10637

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B16	**Lab Sample ID:**	1401095-017A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 9:55		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/24/14	01/27/14	4	20.0	80	ND		mg/Kg	419039	10649
TPH as Motor Oil	SW8015B(M)	1/24/14	01/27/14	4	40.0	410	2600		mg/Kg	419039	10649
Pentacosane (S)	SW8015B(M)	1/24/14	01/27/14	4	57.9	129	0.000	D	%	419039	10649

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B22	**Lab Sample ID:**	1401095-018A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 10:35		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/24/14	01/24/14	1	30	100	ND		ug/Kg	419017	10650
(S) 4-Bromofluorobenzene	8260TPH	1/24/14	01/24/14	1	43.9	127	33.9	S	%	419017	10650

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
pH	SW9045C	NA	01/24/14	1	0.10	2.0	6.28		S.U.	419055	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/24/14	01/27/14	2	2.00	8.0	20	x	mg/Kg	419039	10649
TPH as Motor Oil	SW8015B(M)	1/24/14	01/27/14	2	4.00	41	370		mg/Kg	419039	10649
Pentacosane (S)	SW8015B(M)	1/24/14	01/27/14	2	57.9	129	151	S	%	419039	10649

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range
Surrogate recovery outside the laboratory control limit due to potential matrix effects (high level of heavy hydrocarbons)

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B4	**Lab Sample ID:**	1401095-019A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 11:00		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/24/14	01/27/14	3	6.00	24	ND		mg/Kg	419039	10649
TPH as Motor Oil	SW8015B(M)	1/24/14	01/27/14	3	12.0	120	590		mg/Kg	419039	10649
Pentacosane (S)	SW8015B(M)	1/24/14	01/27/14	3	57.9	129	110		%	419039	10649

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B48	**Lab Sample ID:**	1401095-020A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/22/14 / 11:35		
Tag Number:	Oakland ,CA		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/24/14	01/27/14	2	4.00	16	ND		mg/Kg	419039	10649
TPH as Motor Oil	SW8015B(M)	1/24/14	01/27/14	2	8.00	82	630		mg/Kg	419039	10649
Pentacosane (S)	SW8015B(M)	1/24/14	01/27/14	2	57.9	129	151	S	%	419039	10649

NOTE: Surrogate recovery outside the laboratory control limit due to potential matrix effects (high level of heavy hydrocarbons)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Luann Beadle
Geocon Consultants, Inc.

Date Received: 01/22/14
Date Reported: 01/29/14

Client Sample ID:	B37	**Lab Sample ID:**	1401095-021A
Project Name/Location:	Oakland ,CA	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	01/21/14 / 10:25		
Tag Number:	Caltrans Soil Sampling		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	1/24/14	01/27/14	5	5.00	20	21	x	mg/Kg	419039	10649
TPH as Motor Oil	SW8015B(M)	1/24/14	01/27/14	5	10.0	100	710		mg/Kg	419039	10649
Pentacosane (S)	SW8015B(M)	1/24/14	01/27/14	5	57.9	129	116		%	419039	10649

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range

MB Summary Report

Work Order:	1401095	**Prep Method:**	3546_TPH	**Prep Date:**	01/23/14	**Prep Batch:**	10637
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419036
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.497	2.0	ND	
TPH as Motor Oil	1.03	10	3.1	
Pentacosane (S)			84.5	

Work Order:	1401095	**Prep Method:**	3546_TPH	**Prep Date:**	01/24/14	**Prep Batch:**	10649
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419038
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.575	2.0	1.5	
TPH as Jet Fuel	0.57	2.0	ND	
TPH as Motor Oil	1.4	10	6.3	
Pentacosane (S)			107	

Work Order:	1401095	**Prep Method:**	5035	**Prep Date:**	01/24/14	**Prep Batch:**	10650
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419017
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	ND	
(S) 4-Bromofluorobenzene			69.0	

Work Order:	1401095	**Prep Method:**	5035	**Prep Date:**	01/27/14	**Prep Batch:**	10672
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	01/27/14	**Analytical Batch:**	419068
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	57	
(S) 4-Bromofluorobenzene			91.7	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401095	**Prep Method:**	3546_TPH	**Prep Date:**	01/23/14	**Prep Batch:**	10637
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	01/23/14	**Analytical Batch:**	419036
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.497	2	ND	25	79.7	79.4	0.384	50.3 - 115	30	
Pentacosane (S)			3.1	100	115	117		57.9 - 129		

Work Order:	1401095	**Prep Method:**	3546_TPH	**Prep Date:**	01/24/14	**Prep Batch:**	10649
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419038
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.57	2.0	ND	25	76.4	83.2	8.47	50.8 - 111	30	
Pentacosane (S)			ND	100	90.6	101		61.5 - 133		

Work Order:	1401095	**Prep Method:**	5035	**Prep Date:**	01/24/14	**Prep Batch:**	10650
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419017
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	ND	1000	101	119	16.3	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			69.0	50	77.9	83.2		43.9 - 127		

Work Order:	1401095	**Prep Method:**	5035	**Prep Date:**	01/27/14	**Prep Batch:**	10672
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	01/27/14	**Analytical Batch:**	419068
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	57	1000	102	81.7	21.6	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			91.7	50	86.1	87.4		43.9 - 127		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1401095	**Prep Method:**	3546_TPH	**Prep Date:**	01/24/14	**Prep Batch:**	10649
Matrix:	**Soil**	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	01/27/14	**Analytical Batch:**	419039
Spiked Sample:	1401095-003A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.50	2.0	136.71893	25	65.4	75.7	12.2	50.3 - 115	30	
Pentacosane (S)				100	126	118		57.9 - 129		

Duplicate QC Summary Report

Work Order:	1401095	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	**Soil**	**Analytical Method:**	SW9045C	**Analyzed Date:**	01/24/14	**Analytical Batch:**	419055
Units:						**Lab Sample ID:**	1401095-018A-Dup

Parameters	MDL	PQL	Sample Result	Duplicate Result	% RPD
pH	0.100	2.00	6.28	6.24	0.639

Raw values are used in quality control assessment.

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Geocon Consultants, Inc.

Project Name: Oakland ,CA

Work Order No.: 1401095

Date and Time Received: 1/22/2014 16:40

Received By: ng

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?				

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID:	TL5648	Geocon Consultants, Inc.	**QC Level:**	
Project Name:	Oakland ,CA		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	1/22/2014
Report Due Date:	1/29/2014		**Time Received:**	16:40

Comments: 1401095 WO created to split 48 hr TAT metals from std TAT TPHDO, GRO and pH.

Work Order # : ***1401095***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401095-001A	B24	01/21/14 9:40	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-002A	B26	01/21/14 9:50	Soil	07/21/14			S_TPHDO	
1401095-003A	B28	01/21/14 10:10	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-004A	B30	01/21/14 10:25	Soil	07/21/14			S_TPHDO	
1401095-005A	B33	01/21/14 10:45	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-006A	B38	01/21/14 11:30	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-007A	B40	01/21/14 11:35	Soil	07/21/14			S_TPHDO	
1401095-008A	B46	01/21/14 12:20	Soil	07/21/14			S_pH9045C S_TPHDO S_GCMS-GRO	
1401095-009A	B50	01/21/14 13:05	Soil	07/21/14			S_TPHDO	
1401095-010A	B51	01/21/14 13:10	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-011A	B2	01/21/14 13:25	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-012A	B6	01/21/14 13:50	Soil	07/21/14				

Login Summary Report

Client ID:	TL5648	Geocon Consultants, Inc.	**QC Level:**	
Project Name:	Oakland ,CA		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	1/22/2014
Report Due Date:	1/29/2014		**Time Received:**	16:40

Comments: 1401095 WO created to split 48 hr TAT metals from std TAT TPHDO, GRO and pH.

Work Order # : ***1401095***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1401095-013A	B8	01/21/14 14:00	Soil	07/21/14			S_pH9045C S_TPHDO S_GCMS-GRO	
1401095-014A	B9	01/21/14 14:05	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-015A	B14	01/22/14 9:40	Soil	07/21/14			S_TPHDO	
1401095-016A	B15	01/22/14 9:50	Soil	07/21/14			S_TPHDO	
1401095-017A	B16	01/22/14 9:55	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-018A	B22	01/22/14 10:35	Soil	07/21/14			S_TPHDO	
1401095-019A	B4	01/22/14 11:00	Soil	07/21/14			S_pH9045C S_GCMS-GRO S_TPHDO	
1401095-020A	B48	01/22/14 11:35	Soil	07/21/14			S_TPHDO	
1401095-021A	B37	01/21/14 10:25	Soil	07/21/14			S_TPHDO	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY p1 of 6

LAB WORK ORDER NO: 401095

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: invoice | EMAIL: beadle@geoconinc.com

TURNAROUND TIME: 48-hr metals Remainder standard
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPHd/mo 8015M	pH 9045					REMARKS
		B23	1-21-14 0935	SOIL	1	SOIL OR BAG	X									48-hr TAT
-001A		B24	40					X	X	X	X					on all metals
		B25	45				X									standard
-002A		B26	50					X		X						TAT on
		B27	1000				X									remaining
-003A		B28	10					X	X	X	X					analysis
		B29	15				X									all
-004A		B30	25					X		X						pages
		B31	30				X									↓
		B32	20				X									↓

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	Liwesay	Liwesay	1/22/14	4PM
2	Liwesay	Liwesay	1-22-14	440 PM	[illegible]	NAVIN G	1/22/14	NAVIN G

Were Samples Received in Good Condition? ☒ Yes ☐ NO | Samples on Ice? ☒ Yes ☐ NO | Method of Shipment _____ | Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 1 of 6

Log In By: Date: | Log In Reviewed By: Date: Rev 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA
Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling
City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02
REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	PH 9045					REMARKS
-005A		B33	1-21-14 1045	SOIL	1	SS LOW BAG		X	X	X	X					see p.1
		B34	1050				X									
		B35	1100				X									
		B36	05				X									
-021A		B37	25													
-006A		B38	30					X	X	X	X					
		B39	32				X									
-007A		B40	35					X		X						
		B41	40				X									
		B42	50				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	Liversay	Liversay	1/22/14	4pm
2	Liversay	Liversay	1-22-14	4:40pm	[illegible]		1/22/14	4:40pm

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 2 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

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CHAIN OF CUSTODY

p 3 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore ~~CA~~ | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: see p1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B43	1-21-14 1200	SOIL	1	SSL OR BAG	X									see p1
		B44	05				X									
		B45	15				X									
-008A		B46	20					X	X	X	X					
		B47	25				X									
		~~B48~~														
		B49	1300				X									
-009A		B50	05					X		X						
-010A		B51	10					X	X	X	X					
		B1	20				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	Liversay	Liversay	1/22/14	4PM
2	Liversay	Liversay	1-22-14	4:40PM	[illegible]	Darren G	1/22/14	4:40 P.M.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 3 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

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CHAIN OF CUSTODY

p1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 FAX: cell 925-395-1669 | E8721-0202

REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: See p.1

☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH-g 8015M	TPH-d/mo 8015M	pH 9045					REMARKS
-011A		B2	1-21-14 1326	SOIL	1	SSL OZ BAG		X	X	X	X					See p.1
		B3	35				X									
-012A		B6	50					X	X	X	X					
		B7	40				X									
-013A		B8	1400					X	X	X	X					
-014A		B9	1405					X		X						
		B10	1-22-14 0920				X									
		B11	0930				X									
		B12	0930				X									
		B13	0935				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4 PM
2	[illegible]	Livesay	1-22-14	4:40PM	D.J. Ghodasara	Navin R.	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 4 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 5 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA
Address: 6621 Brisa St | Purpose: Caltrans Soil Sampling
City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02
REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Menth | P.O. #: | EMAIL:

TURNAROUND TIME: Metals 48hr Remainder Regular
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-015A		B14	1-22-14/0940	Soil	1	ST		X		X						See p.1
-016A		B15	0950					X	X	X	X					
-017A		B16	0955					X		X						
		B17	0955			PB	X									
		B18	1010				X									
		B19	1012				X									
		B20	1015				X									
		B21	1030				X									
-018A		B22	1035			ST		X	X	X	X					
-019A		B4	1100					X		X						

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm		Liversay	1/22/14	4PM
2		Liversay	1-22-14	440 PM		NAVIN G	1/22/14	4:40 P.M

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 5 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p6 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6621 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore ~~CA~~ | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Mentk P.O. #: EMAIL:

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B5	1-22-14/1055	Soil	1	PB	X									See p.1
-020A		B48	↓/1135	Soil	↓	ST		X		X						↓
		Equipment Blank	↓/1000	W	1	G sov	X									regular TAT

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Luann Beadle	1-22-14	4pm	[signature]	Liversay	1/22/14	4 PM
2	[signature]	Liversay	1-22-14	4:40 PM	D.F. Khodasara	NAVIN G	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment F.C.S. Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 6 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent Laboratory, Inc. <pm@torrentlaboratory.com>

Geocon Samples for Caltrans I-580 Rehab

1 message

Luann Beadle <beadle@geoconinc.com> Thu, Jan 23, 2014 at 7:46 AM
To: pm@torrentlaboratory.com

Hi Torrent,

Per my conversation with Kathy last night, attached is a scan of the COC you received yesterday with the samples showing the requested analyses for sample B37. Please analyze it for CAM 17 and TPHd/mo, with the metals on 48-hr and TPH on standard TAT.

Thank you,

Luann Beadle

Luann Beadle | Senior Staff Scientist
Geocon Consultants, Inc.
6671 Brisa Street, Livermore, CA 94550
Office: 925.371.5900, ext. 403 Direct: 925.961.5272 Mobile: 925.395.1669
beadle@geoconinc.com

CONFIDENTIALITY NOTICE: This e-mail may contain confidential and privileged material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by others is strictly prohibited. If you have received this communication in error, please notify the sender immediately by e-mail and delete the message and any file attachments from your computer. Thank you.

2 attachments

image001.jpg
7K

Torrent Laboratory, Inc.
483 Sinclair Frontage Rd. • Milpitas, CA 95035-5414
Phone: (408) 263-5258 • Fax: (408) 263-8293
www.torrentlab.com

Invoice

DATE	INVOICE NO.
1/29/2014	1401095

BILL TO:

Geocon Consultants Inc.
6671 Brisa Street
Livermore CA 94550
Attn: Luann Beadle

beadle@geoconinc.com

P.O. NUMBER	SAMPLE SITE	REPORTED TO	TERMS	DUE DATE
E8721-02-02	Oakland CA	Luann Beadle	Net 30	2/28/2014

DESCRIPTION	QTY	PRICE	AMOUNT
TPH Gas	11	45.00	495.00
pH, Soil	11	25.00	275.00
TPH-Diesel/Motor Oil	21	65.00	1,365.00
EDD Report Format	1	25.00	25.00

TLWork Order #	1401095	Sample(s) Received	1/22/2013	Total	$2,160.00

PLEASE PAY FROM E-MAILED INVOICE

Torrent Laboratory,Inc. reserves the right to amend this invoice within 90 days from the date of invoice. All invoice discrepancies must be disputed prior to invoice due date.Payments are due per terms. All past due invoices are subject to finance charge of 1.5% per month. Overdue accounts are responsible for all legal and collection fee. For billing question please contact accounts receivable at (408) 263-5258 ext.202 or 207.

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: invoice | EMAIL: beadle@geoconinc.com

TURNAROUND TIME: 48-hr metals Remainder standard
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPHd/mo 8015M	pH 9045					REMARKS
		B23	1-21-14 0935	SOIL	1	SSL OR BAG	X									48-hr TAT
-001A		B24	40					X	X	X	X					on all metals
		B25	45				X									standard
-002A		B26	50					X		X						TAT on
		B27	1000				X									remaining
-003A		B28	10					X	X	X	X					analysis
		B29	15				X									
-004A		B30	25					X		X						all pages
		B31	30				X									
		B32	20				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	Livesay	Livesay	1/22/14	4pm
2	Livesay	Livesay	1-22-14	440 PM	Navin Gheodasara	Navin G	1/22/14	Navin G.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 1 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore ~~CA~~ State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 ~~FAX:~~ cell 925-395-1669
E8721-02-02
REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Mentz P.O. #: EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH gx 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-005A		B33	1-21-14 1045	SOIL	1	SSL OR BAG		X	X	X	X					see p.1
		B34	1050				X									
		B35	1100				X									
		B36	05				X									
-021A		B37	25													
-006A		B38	30					X	X	X	X					
		B39	32				X									
-007A		B40	35					X		X						
		B41	40				X									
		B42	50				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4pm
2	[illegible]	Livesay	1-22-14	4:40pm	[illegible]		1/22/14	4:40pm

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 2 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p3 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore ~~CA~~ State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 ~~FAX~~ cell 925-395-1669
E8721-02-02
REPORT TO: Beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: See p1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B43	1-21-14 1200	SOIL	1	SSL OR BAG	X									See p1
		B44	05				X									
		B45	15				X									
-008A		B46	20					X	X	X	X					
		B47	25				X									
		~~B48~~														
		B49	1300				X									
-009A		B50	05					X		X						
-010A		B51	10					X	X	X	X					
		B1	20				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	Liversay	Liversay	1/22/14	4PM
2	Liversay	Liversay	1-22-14	4:40PM	M.G. Bodasara	Heaven G	1/22/14	4:40 P.M.

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 3 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

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www.torrentlab.com

CHAIN OF CUSTODY

p4 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa st
Purpose: Caltrans Soil Sampling
City: Livermore ~~CA~~ State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 ~~FAX:~~ cell 925-395-1669
E8721-02-02
REPORT TO: beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: See p.1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-011A		B2	1-21-14 1326	SOIL	1	SSL OR BAG		X	X	X	X					SW p.1
		B3	35				X									
-012A		B6	50					X	X	X	X					
		B7	40				X									
-013A		B8	1400					X	X	X	X					
-014A		B9	1405					X		X						
		B10	1-22-14 0920				X									
		B11	0930				X									
		B12	0930				X									
		B13	0935				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4 PM
2	[illegible]	Livesay	1-22-14	4:40PM	[illegible]	Navin Q.	1/22/14	4:40PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 4 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

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CHAIN OF CUSTODY

p 5 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~: cell 925-395-1669 | E8721-02-02

REPORT TO: Beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: Metals 48-hr Remainder Regular
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total lead 6010	CAM 17 6010	TPH or 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-015A		B14	1-22-14/0940	Soil	1	ST		X		X						See p.1
-016A		B15	0950					X	X	X	X					
-017A		B16	0955					X		X						
		B17	0955			PB	X									
		B18	1010				X									
		B19	1012				X									
		B20	1015				X									
		B21	1030				X									
-018A		B22	1035			ST		X	X	X	X					
-019A		B4	1100					X		X						

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4pm
2	[illegible]	Livesay	1-22-14	440 pm	[illegible]	Naven G	1/22/14	4:40 p.m

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 5 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

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FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p6 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa St | Purpose: Caltrans Soil Sampling

City: Livermore ~~CA~~ | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B5	1-22-14 / 1055	Soil	1	PB	X									See p.1
-020A		B48	↓ / 1135	Soil	↓	ST		X		X						↓
		Equipment Blank	↓ / 1000	W	1	G sw	X									regular TAT

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4 PM
2	[illegible]	Liversay	1-22-14	4:40 PM	D. S. Khodasara	NAVIN G	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment F.C.S. Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 6 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

ADVANCED TECHNOLOGY LABORATORIES

January 30, 2014

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Luann Beadle
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
Tel: (925) 371-5900
Fax:(925) 371-5915

Re: ATL Work Order Number : 1400259

Client Reference : I-580 Rehab, E8721-02-02

Enclosed are the results for sample(s) received on January 28, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

3275 Walnut Avenue, Signal Hill, CA 90755 • Tel: 562-989-4045 • Fax: 562-989-4040
www.atlglobal.com

Certificate of Analysis

Geocon Consultants, Inc.		Project Number :	I-580 Rehab, E8721-02-02
6671 Brisa Street		Report To :	Luann Beadle
Livermore , CA 94550		Reported :	01/30/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5	1400259-01	Soil	1/22/14 10:55	1/28/14 13:03
B7	1400259-02	Soil	1/21/14 13:40	1/28/14 13:03
B10	1400259-03	Soil	1/22/14 9:20	1/28/14 13:03
B13	1400259-04	Soil	1/22/14 9:35	1/28/14 13:03
B17	1400259-05	Soil	1/22/14 9:55	1/28/14 13:03
B21	1400259-06	Soil	1/22/14 10:30	1/28/14 13:03
B27	1400259-07	Soil	1/21/14 10:00	1/28/14 13:03
B32	1400259-08	Soil	1/21/14 10:20	1/28/14 13:03
B36	1400259-09	Soil	1/21/14 11:05	1/28/14 13:03
B43	1400259-10	Soil	1/21/14 12:00	1/28/14 13:03

Certificate of Analysis

Geocon Consultants, Inc.		Project Number :	I-580 Rehab, E8721-02-02
6671 Brisa Street		Report To :	Luann Beadle
Livermore , CA 94550		Reported :	01/30/2014

Lead by ICP-AES EPA 6010B

Analyte: Lead **Analyst: AG**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1400259-01	B5	**1700**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:17	
1400259-02	B7	**3500**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:26	
1400259-03	B10	**1400**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:28	
1400259-04	B13	**4100**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:30	
1400259-05	B17	**10000**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:33	
1400259-06	B21	**1100**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:44	
1400259-07	B27	**5900**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:46	
1400259-08	B32	**1900**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:48	
1400259-09	B36	**4400**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:51	
1400259-10	B43	**10000**	mg/kg	10	NA	10	B4A0451	01/30/2014	01/30/14 14:53	

Certificate of Analysis

Geocon Consultants, Inc.		Project Number :	I-580 Rehab, E8721-02-02
6671 Brisa Street		Report To :	Luann Beadle
Livermore , CA 94550		Reported :	01/30/2014

QUALITY CONTROL SECTION

Lead by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4A0451 - EPA 3050 Modified									
Blank (B4A0451-BLK1)					Prepared: 1/30/2014 Analyzed: 1/30/2014				
Lead	ND	1.0			NR				
LCS (B4A0451-BS1)					Prepared: 1/30/2014 Analyzed: 1/30/2014				
Lead	46.6297	1.0	50.0000		93.3	80 - 120			
Duplicate (B4A0451-DUP1)		**Source: 1400259-01**			Prepared: 1/30/2014 Analyzed: 1/30/2014				
Lead	1939.74	9.9		1708.90	NR		12.7	20	
Matrix Spike (B4A0451-MS1)		**Source: 1400259-01**			Prepared: 1/30/2014 Analyzed: 1/30/2014				
Lead	2865.02	10	250.000	1708.90	462	51 - 106			M3
Matrix Spike Dup (B4A0451-MSD1)		**Source: 1400259-01**			Prepared: 1/30/2014 Analyzed: 1/30/2014				
Lead	2185.44	10	250.000	1708.90	191	51 - 106	26.9	20	M3, R

Certificate of Analysis

Geocon Consultants, Inc.		Project Number :	I-580 Rehab, E8721-02-02
6671 Brisa Street		Report To :	Luann Beadle
Livermore , CA 94550		Reported :	01/30/2014

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M3	Matrix spike recovery outside of acceptance limit due to disproportionate concentration of the analyte to spike level. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3275 Walnut Ave
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

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

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☑ Other: _____

Sample Condition Upon Receipt:
1. CHILLED 1-2 Y ☑ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: Geocon Consultants, Inc.
Attention: Luann Beadle E8721-02-02
Address: 6671 Brisa Street
City: Livermore State: CA Zip Code: 94553
Tel: (925) 961-5272
Cell: (925) 395-1669

Project Name: I-580 Rehab
Project #:
Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*
(Printed Name) Luann Beadle
(Signature) Luann Beadle

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Luann Beadle Luann Beadle	1-28-14		Transfer from Torrent Labs Milpitas		
				1/28/14	1700

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Luann Beadle 1-28-14
Print Name Date
Luann Beadle
Signature

Send Report To:
Attn: Luann Beadle
Co: beadle@geoconinc.com
Addr: and day@geoconinc.com
City: State: Zip:

Bill To:
Attn: Same
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☒ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Lab No.	Sample Description: Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015B - DRO/ORO	6010 - Total Pb only	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	1400254-1	B5	1-22-14	1055				X			X			C	1	P	B	
	2	B7	1-21-14	1340													
	3	B10	1-22-14	0920													
	4	B13		0935													
	5	B17		0955													
	6	B21		1030													
	7	B27	1-21-14	1000													
	8	B32		1020													
	9	B36		1105													
	10	B43		1200													

■ TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☒ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☐ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p1 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX:~~ cell 925-395-1669 | E8721-02-02

REPORT TO: beadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: invoice | EMAIL: beadle@geoconinc.com

TURNAROUND TIME: 48-hr metals Remainder standard
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPHd/mo 8015M	PH 9045					REMARKS
		B23	1-21-14 0935	SOIL	1	SOIL OR BAG	X									48-hr TAT
-001A		B24	40					X	X	X	X					on all metals
		B25	45				X									standard
-002A		B26	50					X		X						TAT on
		B27	1000				X									remaining
-003A		B28	10					X	X	X	X					analysis
		B29	15				X									all
-004A		B30	25					X		X						pages
		B31	30				X									
		B32	20				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	Livesay	Livesay	1/22/14	4pm
2	Livesay	Livesay	1-22-14	440 PM	Shadzara	NAVIN G	1/22/14	NAVIN G.
3	Reinquished Lame	Lewis	1-23-14		C. Bynita		1/24/14	1303

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp 3 °C Page 1 of 6

Log In By: Date: Log In Reviewed By: VB Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p2 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special | Location of Sampling: Oakland, CA

Address: 6671 Brisa st | Purpose: Caltrans Soil Sampling

City: Livermore CA | State: CA | Zip Code: 94550 | Special Instructions / Comments: ALA 580 Roadway Rehab

Telephone: 925-371-5900 | ~~FAX~~ cell 925-395-1669 | E8721-02-02

REPORT TO: Deadle@geoconinc.com | SAMPLER: Luann Beadle / Chris Merritt | P.O. #: | EMAIL:

TURNAROUND TIME: see p.1 varies
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-005A		B33	1-21-14 1045	SOIL	1	SSL OR BAG		X	X	X	X					See p.1
		B34	1050				X									
		B35	1100				X									
		B36	05				X									
-021A		B37	25													
-006A		B38	30					X	X	X	X					
		B39	32				X									
-007A		B40	35					X		X						
		B41	40				X									
		B42	50				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4pm
2	[illegible]	Liversay	1-22-14	4:40pm	[illegible]		1/22/14	4:40pm
3.	Relinquished by: Kaine [illegible]		1-27-14		[illegible]		1/28/14	1203

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 2 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 3 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore ~~CA~~ State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 ~~FAX:~~ cell 925-395-1669
E8721-02-02
REPORT TO: Deadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: see p 1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B43	1-21-14 1200	SOIL	1	SSL OR BAG	X									see p 1
		B44	05				X									
		B45	15				X									
-008A		B46	20					X	X	X	X					
		B47	25				X									
		~~B48~~														
		B49	1300				X									
-009A		B50	05					X		X						
-010A		B51	10					X	X	X	X					
		B1	20				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4 pm	Liversay	Liversay	1/22/14	4 PM
2		Liversay	1-22-14	4:40 PM	R.G. Khodasara	Naveen & Amit	1/22/14	4:40 P.M.
3.	Relinquished By: Lorne Gomes		1-27-14				1/28/14	1:30

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 3 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
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FAX: 408.263.8293
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CHAIN OF CUSTODY

p4 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa st
Purpose: Caltrans Soil Sampling
City: Livermore CA State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 FAX: cell 925-395-1669
E8721-02-02
REPORT TO: Beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: See p.1
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPH g 8015M	TPH d/mo 8015M	pH 9045					REMARKS
-011A		B2	1-21-14 1326	SOIL	1	SSL OR BAG		X	X	X	X					See p.1
		B3	35				X									
-012A		B6	50					X	X	X	X					
		B7	40				X									
-013A		B8	1400					X	X	X	X					
-014A		B9	1405					X		X						
		B10	1-22-14 0920				X									
		B11	0930				X									
		B12	0930				X									
		B13	0935				X									

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Livesay	1/22/14	4 pm
2	[illegible]	Livesay	1-22-14	4:40 PM	[illegible]	Navin G.	1/22/14	4:40 PM
3	Relinquished By: Katie Q.		1-23-14		A. Smith	FCS	1/23/14	

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 4 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p 5 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6621 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore ~~CA~~ State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 ~~FAX:~~ cell 925-395-1669
E8721-02-02
REPORT TO: Deadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: Metals 48-hr Remainder Regular
☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day
☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:
☐ QC Level IV
☐ EDF
☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total lead 6010	CAM 17 6010	TPH as 8015M	TPH d/mo 8015M	pH 9045				REMARKS
-015A		B14	1-22-14/0940	Soil	1	ST		X		X					See p.1
-016A		B15	0950					X	X	X	X				
-017A		B16	0955					X		X					
		B17	0955			PB	X								
		B18	1010				X								
		B19	1012				X								
		B20	1015				X								
		B21	1030				X								
-018A		B22	1035			ST		X	X	X	X				
-019A		B4	1100					X		X					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4pm
2	[illegible]	Liversay	1-22-14	440 pm	N. G. Bhodasara	Navin G	1/22/14	4:40 P.M

Relinquished By: [illegible] Date: 1-21-14 Received By: C. Bonita Date: 1/22/14

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp ____ °C Page 5 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Torrent LABORATORY, INC.
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

p6 of 6

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1401095

Company Name: Geocon Consultants Inc. ☒ Env. ☐ IH ☐ Food ☐ Special
Location of Sampling: Oakland, CA
Address: 6671 Brisa St
Purpose: Caltrans Soil Sampling
City: Livermore CA State: CA Zip Code: 94550
Special Instructions / Comments: ALA 580 Roadway Rehab
Telephone: 925-371-5900 ~~FAX~~ cell 925-395-1669
E8721-02-02
REPORT TO: Beadle@geoconinc.com SAMPLER: Luann Beadle / Chris Merritt P.O. #: EMAIL:

TURNAROUND TIME: ☐ 10 Work Days ☐ 4 Work Days ☐ 1 Work Day ☐ 7 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 5 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☒ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☒ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Lead 6010	CAM 17 6010	TPHg 8015M	TPH d/mo 8015M	pH 9045					REMARKS
		B5	1-22-14/1055	Soil	1	PB	X									See p.1
-020A		B48	↓ /1135	Soil	↓	ST		X		X						↓
		Equipment Blank	↓ /1000	W	1	G Sov	X									regular TAT

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	Luann Beadle	Luann Beadle	1-22-14	4pm	[illegible]	Liversay	1/22/14	4 pm
2	[illegible]	Liversay	1-22-14	4:40 PM	D.G. Theodosara	NAVIN G	1/22/14	4:40 PM

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment F.C.S. Sample seals intact? ☐ Yes ☐ NO ☒ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp _____ °C Page 6 of 6

Log In By: Date: Log In Reviewed By: Date: Rev. 1

Samples highlighted on CoC released to ATL as per request of Luann Beadle @ Geocon Consultants.

Please contact Luann (925-371-5900) for questions and instructions on what analyses to perform.

February 07, 2014

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Luann Beadle
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
Tel: (925) 371-5900
Fax:(925) 371-5915

Re: ATL Work Order Number : 1400259

Client Reference : I-580 Rehab, E8721-02-02

Enclosed are the results for sample(s) received on January 28, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Geocon Consultants, Inc.		Project Number :	I-580 Rehab, E8721-02-02
6671 Brisa Street		Report To :	Luann Beadle
Livermore , CA 94550		Reported :	02/07/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5	1400259-01	Soil	1/22/14 10:55	1/28/14 13:03
B13	1400259-04	Soil	1/22/14 9:35	1/28/14 13:03
B21	1400259-06	Soil	1/22/14 10:30	1/28/14 13:03
B27	1400259-07	Soil	1/21/14 10:00	1/28/14 13:03
B32	1400259-08	Soil	1/21/14 10:20	1/28/14 13:03
B36	1400259-09	Soil	1/21/14 11:05	1/28/14 13:03
B43	1400259-10	Soil	1/21/14 12:00	1/28/14 13:03

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TCLP Metals by ICP-AES EPA 6010B

Analyte: Lead **Analyst: AG**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1400259-01	B5	**0.89**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 13:30	
1400259-04	B13	**1.4**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 14:09	
1400259-06	B21	**0.90**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 14:11	
1400259-07	B27	**6.6**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 14:13	
1400259-08	B32	**1.4**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 14:15	
1400259-09	B36	**2.4**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 14:17	
1400259-10	B43	**9.2**	mg/L	0.050	NA	1	B4B0002	02/01/2014	02/03/14 14:20	

pH by EPA 9045C

Analyte: pH **Analyst: LA**

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1400259-01	B5	**7.1**	pH Units	0.10	NA	1	B4B0004	02/03/2014	02/03/14 11:41	
1400259-04	B13	**6.3**	pH Units	0.10	NA	1	B4B0004	02/03/2014	02/03/14 11:41	
1400259-07	B27	**6.8**	pH Units	0.10	NA	1	B4B0004	02/03/2014	02/03/14 11:41	
1400259-09	B36	**6.9**	pH Units	0.10	NA	1	B4B0004	02/03/2014	02/03/14 11:41	
1400259-10	B43	**6.9**	pH Units	0.10	NA	1	B4B0004	02/03/2014	02/03/14 11:41	

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QUALITY CONTROL SECTION

TCLP Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0002 - EPA 3010A_SOIL									
Blank (B4B0002-BLK1)					Prepared: 2/1/2014 Analyzed: 2/3/2014				
Lead	ND	0.050			NR				
Blank (B4B0002-BLK2)					Prepared: 2/1/2014 Analyzed: 2/3/2014				
Lead	ND	0.050			NR				
LCS (B4B0002-BS1)					Prepared: 2/1/2014 Analyzed: 2/3/2014				
Lead	0.891080	0.050	1.00000		89.1	80 - 120			
Duplicate (B4B0002-DUP1)		**Source: 1400259-10**			Prepared: 2/1/2014 Analyzed: 2/3/2014				
Lead	7.71800	0.050		9.21178	NR		17.6	20	
Matrix Spike (B4B0002-MS1)		**Source: 1400259-10**			Prepared: 2/1/2014 Analyzed: 2/3/2014				
Lead	9.99980	0.050	2.50000	9.21178	31.5	81 - 105			M2
Matrix Spike Dup (B4B0002-MSD1)		**Source: 1400259-10**			Prepared: 2/1/2014 Analyzed: 2/3/2014				
Lead	10.5059	0.050	2.50000	9.21178	51.8	81 - 105	4.94	20	M2

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Livermore , CA 94550		Reported :	02/07/2014

pH by EPA 9045C - Quality Control

Analyte	Result (pH Units)	PQL (pH Units)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0004 - Prep_WC_1_S									
Duplicate (B4B0004-DUP1)		**Source: 1400311-01**			Prepared: 2/3/2014 Analyzed: 2/3/2014				
pH	9.04000	0.10		9.01000	NR		0.332	20	

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Livermore , CA 94550		Reported :	02/07/2014

Notes and Definitions

M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Diane Galvan

From: Luann Beadle [beadle@geoconinc.com]
Sent: Friday, January 31, 2014 3:07 PM
To: Diane Galvan
Subject: RE: Results/EDD/Invoice - I-580 Rehab (1400259)

Hi Diane,
Sorry. We have pH already for some of these I just realized. Please don't do the pH for samples B21 and B32.
Thanks,
Luann

From: Luann Beadle [mailto:beadle@geoconinc.com]
Sent: Friday, January 31, 2014 1:03 PM
To: Diane Galvan
Subject: RE: Results/EDD/Invoice - I-580 Rehab (1400259)

Hi Diane,

Could you please run TCLP lead and pH on the following samples from this lab order on a regular TAT?

B5
B13
B21
B27
B32
B36
B43

Thanks,
Luann

APPENDIX B

Pb Dataset 1

Number of Valid Observations	22
Number of Distinct Observations	21
Minimum	120
Maximum	11000
Mean	2316
Median	965
SD	2805
Variance	7869778
Coefficient of Variation	1.211
Skewness	1.747
Mean of log data	7.017
SD of log data	1.307
90% Standard Bootstrap UCL	**3,064**
95% Standard Bootstrap UCL	**3,269**

Pb Dataset 2

Number of Valid Observations	23
Number of Distinct Observations	21
Minimum	250
Maximum	16000
Mean	1953
Median	700
SD	3430
Variance	11765533
Coefficient of Variation	1.756
Skewness	3.506
Mean of log data	6.864
SD of log data	1.061
90% Standard Bootstrap UCL	**2,815**
95% Standard Bootstrap UCL	**3,105**

Pb Dataset 3

Number of Valid Observations	3
Number of Distinct Observations	3
Minimum	46
Maximum	110
Mean	69

Pb Dataset 4

Number of Valid Observations	3
Number of Distinct Observations	3
Minimum	34
Maximum	70
Mean	50.7

As

Number of Valid Observations	21
Number of Distinct Observations	6
Minimum	0.85
Maximum	22
Mean	2.414
Median	0.85
SD	4.656
Variance	21.68
Coefficient of Variation	1.929
Skewness	4.093
Mean of log data	0.27
SD of log data	0.878
90% Standard Bootstrap UCL	**3.69**
95% Standard Bootstrap UCL	**4.04**

Cu

Number of Valid Observations	21
Number of Distinct Observations	19
Minimum	26
Maximum	260
Mean	113.1
Median	78
SD	81.62
Variance	6661
Coefficient of Variation	0.721
Skewness	0.769
Mean of log data	4.472
SD of log data	0.743
90% Standard Bootstrap UCL	**136**
95% Standard Bootstrap UCL	**142**

Pb

Number of Valid Observations	51
Number of Distinct Observations	43
Minimum	34
Maximum	16000
Mean	1887
Median	680
SD	2994
Variance	8965816
Coefficient of Variation	1.587
Skewness	2.952
Mean of log data	6.595
SD of log data	1.462
90% Standard Bootstrap UCL	**2,411**
95% Standard Bootstrap UCL	**2,574**

Ni

Number of Valid Observations	21
Number of Distinct Observations	16
Minimum	32
Maximum	430
Mean	72.76
Median	48
SD	85.17
Variance	7254
Coefficient of Variation	1.171
Skewness	4.072
Mean of log data	4.043
SD of log data	0.568
90% Standard Bootstrap UCL	**96.2**
95% Standard Bootstrap UCL	**102**

Zn

Number of Valid Observations	21
Number of Distinct Observations	19
Minimum	76
Maximum	2400
Mean	595
Median	440
SD	515.2
Variance	265443
Coefficient of Variation	0.866
Skewness	2.306
Mean of log data	6.091
SD of log data	0.806
90% Standard Bootstrap UCL	**737**
95% Standard Bootstrap UCL	**778**

TPHmo

Number of Valid Observations	21
Number of Distinct Observations	21
Minimum	140
Maximum	2900
Mean	891
Median	630
SD	764.2
Variance	584019
Coefficient of Variation	0.858
Skewness	1.513
Mean of log data	6.47
SD of log data	0.83
90% Standard Bootstrap UCL	**1,099**
95% Standard Bootstrap UCL	**1,158**