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# SOIL STOCKPILE SAMPLING REPORT



800 CEDAR STREET  
OAKLAND, CALIFORNIA

**PREPARED FOR:**

CALIFORNIA DEPARTMENT OF TRANSPORTATION  
DISTRICT 4  
OFFICE OF ENVIRONMENTAL ENGINEERING  
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## 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.

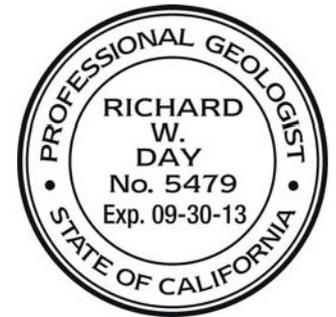
This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts 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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# SOIL STOCKPILE SAMPLING REPORT

## 1.0 INTRODUCTION

This Soil Sampling Report for the 800 Cedar Street Stockpile Sampling Project in Oakland, California was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 04A3578 and Task Order No. 55 (TO-55), EA 04-0R0002.

### 1.1 Project Description and Proposed Improvements

The 800 Cedar Street Stockpile Sampling Project consists of soil sampling of the stockpiled soil located at the intersection of 9<sup>th</sup> and Pine Streets (APN 0006-047-001), historically identified as 800 Cedar Street in Oakland, California. Caltrans has used the approximately five-acre parcel of land for temporary storage of construction material. Additionally, a soil brokerage business operated on site and stockpiled soil was abandoned when the business closed. Caltrans plans to remove the stockpiled soil. The project location is depicted on the attached Vicinity 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, total petroleum hydrocarbons as diesel (TPHd), as motor oil (TPHmo), and as gasoline (TPHg), organochlorine pesticides, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and pH in soil.

The information obtained from this investigation will be used by Caltrans to evaluate soil stockpile handling practices, worker health and safety, and soil stockpile 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 in 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 ( $\leq 3$ m 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 to 6 for comparative purposes.

### **3.0 SCOPE OF SERVICES**

The scope of services performed under TO-55, EA 04-0R0002 included the following:

#### **3.1 Pre-field Activities**

- Prepared the *Preliminary Site Investigation Workplan* and *Health and Safety Plan*, dated September 2013.
- Retained the services of Advanced Technology Laboratories, Las Vegas (ATL-LV), a Caltrans-approved and California-certified analytical laboratory, to perform the chemical analyses of soil samples.

#### **3.2 Field Activities**

The field investigation was performed on September 11 and 12, 2013, by Geocon staff. The following field activities were performed during the sampling efforts:

- Advanced 41 soil borings into 4 stockpiles (Stockpile 1 through Stockpile 4) at the project location using hand-auger and direct-push drilling techniques to collect soil samples. The borings were advanced to a maximum depth of 16 feet.

All samples were transported to a California-certified environmental laboratory for analysis under standard chain-of-custody (COC) documentation.

### **4.0 INVESTIGATIVE METHODS**

#### **4.1 Sampling Procedure**

Soil samples were collected using a direct-push sample rig or hand-auger sampling techniques from 41 locations identified by the Caltrans TO Manager. Samples collected from the 37 borings located in Stockpile 1 through Stockpile 3 were collected at multiple depths determined by the Task Order Manager. Four discrete samples were collected from Stockpile 4. Each of the four samples was collected from a different quadrant of the stockpile at depths determined by the Task Order Manager. Sampling coordinates are presented on Table 1 and locations are shown on the Site Plan, Figure 2.

Soil samples collected using a hand-auger were placed in stainless steel tubes and sealed with Teflon tape and plastic lids prior to being stored in a chest cooled with ice.

Soil samples collected using a direct-push sample rig were obtained by advancing a two-inch-diameter, four-foot-long stainless steel core-barrel sampler lined with an acetate sample tube into soil. Soil samples were collected for laboratory analysis by cutting an approximately six-inch-long section of the acetate tube from the target sample depth, capping the ends with Teflon tape and plastic end caps, and then placing the sample tube in a chest cooled with ice for storage and delivery to the analytical laboratory.

Sample containers were labeled and transported to a Caltrans-approved, certified environmental laboratory using standard COC documentation. Soil borings were backfilled 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. Decontamination water was disposed of to the ground surface within Caltrans right-of-way in a manner not to create runoff, and away from drain inlets or potential water bodies.

## **4.2 Laboratory Analyses**

Laboratory analyses were performed by ATL-LV under standard turnaround-time (TAT). The laboratory reports and COC documentation are included as Appendix A.

The samples were analyzed as follows:

- 71 samples for total lead using EPA Test Method 6010 ICAP.
- 48 samples for CAM 17 metals according to EPA Test Methods 6010 ICAP and 7471.
- 11 samples for hexavalent chromium using EPA Test Method 3060A.
- 28 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.
- 12 samples with a total lead concentration equal to or exceeding the TTLC of 1,000 mg/kg or had WET lead concentrations equal to or exceeding 5.0 mg/l were further analyzed for TCLP lead.
- 71 samples for TPHd/mo using EPA Test Method 8015B.
- 42 samples for TPHg using EPA Test Method 8015B.
- 28 samples for Organochlorine pesticides using EPA Test Method 8081A.
- 28 samples for PCBs using EPA Test Method 8082.

- 42 samples for VOCs using EPA Test Method 8260B.
- 71 samples for SVOCs using EPA Test Method 8270CSIM.

### 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 Soil Description

Four stockpile areas were identified by the Task Order Manager for sampling purposes. These areas are shown on Figure 2 and described below:

**Stockpile 1:** A total of 28 borings (A1 to E4) were collected from this portion of the site. Stockpile 1 was irregularly shaped and measured up to 200 feet wide, 450 feet long, and 18 feet deep. Soil in Stockpile 1 consisted primarily of medium light brown sandy silt with occasional gravel overlaying and mixing with clays (Bay Mud). The stockpile had been sculpted to allow vehicle access to the top and was sampled using direct-push and hand-auger drilling techniques.

**Stockpile 2:** A total of 5 borings (G1 to G5) were collected from this portion of the site. Stockpile 2 was mounded and measured up to 20 feet wide, 30 feet long, and 9 feet deep. Soil in Stockpile 2 consisted primarily of medium brown sand covered with older used aggregate base. The stockpile was sampled using hand-auger sampling techniques.

**Stockpile 3:** A total of 4 borings (H1 to H4) were collected from this portion of the site. Stockpile 3 was mounded and measured up to 10 feet wide, 20 feet long, and 5 feet deep. Soil in Stockpile 3 was clean aggregate base. The stockpile was sampled using hand-auger sampling techniques.

**Stockpile 4:** Four grab soil samples (N1-0 to N1-3) were taken at various depths and locations from this portion of the site. Stockpile 4 was located immediately adjacent to Stockpile 1 and measured less than 5 feet wide, 5 feet long, and 3 feet deep. Soil in Stockpile 4 consisted primarily of very loose, dark brown sandy clay with organic matter. The stockpile was sampled using hand-auger sampling techniques.

## 5.2 Laboratory Analytical Results

The analytical results are summarized in Tables 2 to 6 and are summarized below:

- The following metals were not detected above their respective laboratory reporting limits: beryllium, cadmium, silver, and thallium.
- Total chromium was reported at concentrations ranging from 17 to 81 mg/kg.
- WET chromium was reported at concentrations ranging from 0.068 to 0.29 mg/l.
- Total lead was reported at concentrations ranging from 1.1 to 1,900 mg/kg.
- WET lead was reported at concentrations ranging from 0.63 to 30 mg/l.
- TCLP lead was detected in one sample (H1-4) at a concentration of 0.66 mg/l. Remaining TCLP lead samples were non-detect (<0.25 mg/l).
- Remaining CAM 17 metals and hexavalent chromium were reported in the samples at total concentrations below ten times their respective STLCS.
- TPHg was not detected at or above the laboratory detection limit of 1.0 mg/kg.
- TPHd was reported at concentrations ranging from 3.3 to 900 mg/kg.
- TPHmo was reported at concentrations of 7.0 to 2,000 mg/kg.
- Organochlorine pesticides were reported at concentrations ranging from <1.0 µg/kg to 29 µg/kg.
- PCB Aroclor 1254 was reported in one sample at a concentration of 99 mg/kg.
- Remaining PCBs were not detected at or above the laboratory reporting limits.
- VOCs were not detected at or above the laboratory reporting limits.
- SVOCs were reported at concentrations ranging from <5.0 to 20,000 µg/kg.

## 5.3 Laboratory Quality Assurance/Quality Control

We reviewed the QA/QC results provided with the laboratory analytical reports. The data indicate a detection of zinc in a method blank at a concentration of less than 10% of that found in the associated analytical batch. Remaining method blanks reported non-detect results at or above reporting limits. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) were outside recovery criteria for several samples, possibly due to matrix interference; however, the associated laboratory control sample recoveries (LCDs) were acceptable. The relative percent differences (RPD) for MS/MSD were outside of recovery for several samples; however, the data was validated by the LCS. Surrogate

tetrachloro-m-xylene recovery was biased low on sample G4-4, possibly due to matrix interference. The soil sample was clay-type. Internal standards were biased low on several SVOC samples, possibly due to matrix interference. Samples were analyzed with dilution and internal standards met method criteria. Affected analytes for these failed internal standards were reported at a dilution that met the internal standard recovery limit. The remaining associated surrogate was recovered within control limits. Surrogate recovery was outside of acceptance limits for TPHd analysis of sample D2-0, possibly due to matrix interference; the sample extract was black and viscous. Remaining samples and internal laboratory QA/QC samples showed acceptable recoveries and relative percent differences (RPDs). Based on this limited data review, no additional qualifications of the soil data are necessary, and the data are of sufficient quality for the purposes of this report.

#### **5.4 Statistical Evaluation for Lead Detected in Soil Samples**

Statistical methods were applied to the total lead data for the site to evaluate: 1) the upper confidence limits (UCLs) of the arithmetic means of the total lead concentrations for the site; and 2) if an acceptable correlation between total and WET lead concentrations exists that would allow the prediction of WET lead concentrations based on calculated UCLs. At the request of the Task Order Manager, the lead data for the site were treated as a single sample population for statistical evaluation.

##### **5.4.1 Calculating the UCLs for the Arithmetic Mean**

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.

Non-parametric bootstrap techniques were used to calculate the UCLs. 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. The reported maximum concentration of lead (E4-0, 1,900 mg/kg) was determined to be a statistical outlier (see Appendix B) and, as such, is not likely representative of stockpile conditions. The bootstrap and outlier test results are included in Appendix B. The following tables present the calculated total lead UCLs and statistics for the complete soil stockpile total lead data and the data with the outlier omitted.

**Lead Statistics Including Outlier**

<b>Total Lead 90% UCL (mg/kg)</b>	<b>Total Lead 95% UCL (mg/kg)</b>	<b>Total Lead Mean (mg/kg)</b>	<b>Total Lead Minimum (mg/kg)</b>	<b>Total Lead Maximum (mg/kg)</b>
78.1	79.0	57.2	1.1	1,900

**Lead Statistics Omitting Outlier**

<b>Total Lead 90% UCL (mg/kg)</b>	<b>Total Lead 95% UCL (mg/kg)</b>	<b>Total Lead Mean (mg/kg)</b>	<b>Total Lead Minimum (mg/kg)</b>	<b>Total Lead Maximum (mg/kg)</b>
48.8	51.0	41.6	1.1	460

**5.4.2 Correlation of Total and WET Lead**

Total and corresponding WET lead concentrations are bivariate data with a linear structure. This linear structure should allow for the prediction of WET lead concentrations based on the maximum total lead concentrations presented in the tables above.

To estimate the degree of interrelation between total and corresponding WET lead values ( $x$  and  $y$ , respectively), the *correlation coefficient* [ $r$ ] is used. The correlation coefficient is a ratio that ranges from +1 to -1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of -1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all. The *correlation coefficient* was calculated for 15 ( $x$ ,  $y$ ) data points (i.e., soil samples analyzed for both total lead [ $x$ ] and WET lead [ $y$ ]) from the site. To achieve an acceptable correlation, the total WET soluble lead data from samples B3-5 (200, 0.81) and B6-5 (280, 4.2) were excluded from the regression analysis. The excluded total and WET soluble lead data have the highest squared residual WET soluble lead value (presented in Appendix B). Excluding these data points from the regression analysis yields an acceptable *coefficient of determination* ( $r^2$ ) of 0.7723, which yields a corresponding *correlation coefficient* ( $r$ ) of 0.8788.

For the *correlation coefficient* that indicates a linear relationship between total and WET lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y-intercept equal to zero since that is a known point. The equation of the regression line was determined to be  $y = 0.0615(x)$ , where  $x$  represents total lead concentrations and  $y$  represents predicted WET lead concentrations.

This equation was used to estimate the expected WET lead concentrations for the total lead UCLs for the data set (see Section 5.4.1). Regression analysis results and a scatter plot depicting the (x, y) data points along with the regression line are included in Appendix B.

## 6.0 CONCLUSIONS

### 6.1 Lead

The following tables summarize the total and WET lead calculations and predicted waste classification for stockpile soil based on the total lead UCLs and predicted WET lead concentrations for all data collected at the site and for total lead data with the outlier omitted from the statistical analysis:

**Total Lead Data including Statistical Outlier**

<b>90% UCL Total Lead (mg/kg)</b>	<b>90% UCL Predicted WET Lead (mg/l)</b>	<b>95% UCL Total Lead (mg/kg)</b>	<b>Waste Classification</b>
78.1	4.8	79.0	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

**Total Lead Data without Statistical Outlier**

<b>90% UCL Total Lead (mg/kg)</b>	<b>90% UCL Predicted WET Lead (mg/l)</b>	<b>95% UCL Total Lead (mg/kg)</b>	<b>Waste Classification</b>
48.8	3.0	51.0	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the data presented in the above tables, stockpile soil at the site would be classified as non-hazardous since the 90% UCL-predicted WET lead concentrations are less than the lead STLC of 5.0 mg/l. Based on the TCLP lead results, the soil stockpile would not be classified as a RCRA hazardous waste.

### 6.2 Remaining CAM 17 Metals

Five samples contained total chromium at concentrations of greater than 50 mg/kg (i.e., greater than ten times the STLC of 5 mg/l). The samples were further analyzed for WET chromium and the reported concentrations were below the STLC. Total chromium concentrations in remaining samples were below ten times the STLC. Accordingly, the soil stockpile would be classified as non-hazardous based on chromium content.

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

The CAM 17 metals concentrations in the site soil were compared to ESLs. Antimony, arsenic, cobalt, and lead were reported at concentrations greater than one or more ESL values.

Non-parametric bootstrap techniques were used to calculate the 95% UCLs for antimony, arsenic, cobalt, and lead. The bootstrap test results are included in Appendix B. ESLs, UCLs, and published background concentrations for antimony, arsenic, cobalt, and lead are summarized in the table below:

<b>Metal</b>	<b>Maximum</b>	<b>95% UCL</b>	<b>Shallow Soil Residential ESL</b>	<b>Shallow Soil Commercial/Industrial ESL</b>	<b>Worker Direct Exposure ESL</b>	<b>Published Background Mean<sup>1</sup></b>	<b>Published Background Range<sup>1</sup></b>
Antimony	31	---	20	40	120	0.60	0.15 to 0.73
Arsenic	16	8.86	0.39	1.6	10	3.5	0.6 to 11.0
Cobalt	24	12.0	23	80	49	14.9	2.7 to 46.9
Lead	1,900	79.0	80	320	320	23.9	12.4 to 97.1

Concentrations reported in mg/kg

<sup>1</sup> Kearney Foundation of Soil Science, March 1996

Antimony was detected in 1 of 38 samples (B6-5 at 31 mg/kg); therefore, the 95% UCL concentration could not be calculated. The reported maximum concentration of antimony is above the residential land use ESL but below the commercial/industrial land use and construction exposure ESLs. The maximum value is above the published background range. This single detection of antimony was determined to be a statistical outlier (see Appendix B) and, as such, is not likely representative of stockpile conditions.

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.

Based on the reported results for arsenic, offsite reuse or disposal of the soil stockpile may be restricted based on arsenic content, depending on proposed use.

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

The 95% UCL lead concentration is less than the residential land use, commercial/industrial land use and the construction exposure ESLs, and also within the published background range.

Metals results for soil samples are summarized in Tables 2 and 3.

### **6.3 Petroleum Hydrocarbons**

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

TPHd was reported at concentrations ranging from 3.3 to 900 mg/kg, above the residential land use ESL of 100 mg/kg and the commercial/industrial land use ESL of 110 mg/kg, and equal to the construction exposure ESL of 900 mg/kg. The calculated 95% UCL for TPHd is 66.9 mg/kg, below the ESLs (SFRWQCB, December 2013, Tables A and K-3).

TPHmo was reported at concentrations ranging from 7.0 to 2,000 mg/kg, above the residential land use ESL of 100 mg/kg and the commercial/industrial land use ESL of 500 mg/kg, but below the construction exposure ESL of 28,000 mg/kg. The calculated 95% UCL for TPHmo is 168 mg/kg, below the ESLs.

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

### **6.4 Organochlorine Pesticides**

Organochlorine pesticides were detected in 9 of 28 samples at concentrations ranging from <1.0 µg/kg to 29 µg/kg. Dieldrin was reported at concentrations of up to 4.9 µg/kg, above the residential and commercial/industrial land use ESL of 2.3 µg/kg, but below the construction exposure ESL of 930 µg/kg. The 95% UCL concentration for dieldrin is 1.75 µg/kg, below the ESLs.

Remaining organochlorine pesticide concentrations were below their respective ESLs (SFRWQCB, December 2013, Tables A and K-3). A summary of organochlorine pesticide concentrations in site soil is presented in Table 5.

### **6.5 PCBs**

PCB Aroclor 1254 was reported in one sample at a concentration of 99 µg/kg (E4-6), below the ESLs. Remaining PCBs were not detected at or above the reporting limits. A summary of PCB results in site soil is presented in Table 5.

### **6.6 VOCs**

VOCs were not detected at or above the laboratory reporting limits. VOC results are summarized in Table 5.

## 6.7 SVOCs

SVOCs were reported at concentrations ranging from <5.0 to 20,000 µg/kg. Benzo(a)pyrene and benzo(b)fluoranthene were reported at concentrations of up to 7,400 and 11,000 µg/kg, respectively, exceeding the ESLs for residential and commercial/industrial land use and the construction exposure ESL. Benzo(a)pyrene and benzo(b)fluoranthene have calculated 95% UCLs of 359 µg/kg and 490 µg/kg, respectively, above the residential and commercial/industrial land use ESLs, but below the construction exposure ESLs. Benzo(a)anthracene, Benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were reported at concentrations of up to 5,300 µg/kg, 4,000 µg/kg, 6,200 µg/kg, and 3,600 µg/kg, respectively, exceeding the residential and commercial/industrial land use ESLs but below the construction exposure ESLs. Benzo(a)anthracene, Benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene have calculated 95% UCLs of 247 µg/kg, 192 µg/kg, 292 µg/kg, and 175 µg/kg, respectively, below the ESLs. Remaining SVOCs were below ESLs. SVOC results are summarized in Table 6.

## 6.8 Worker Protection

The contractor(s) should prepare a project-specific health and safety plan to prevent or minimize worker exposure to metals, petroleum hydrocarbons, organochlorine pesticides, and SVOCs 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.



Scale in Miles



**GEOCON**  
CONSULTANTS, INC.

6671 BRISA STREET - LIVERMORE, CA 94550  
PHONE 925.371.5900 - FAX 925.371.5915

800 Cedar Street

Oakland,  
California

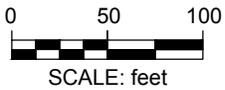
**VICINITY MAP**

GEOCON Proj. No. E8560-02-55

Task Order No. 55

December 2013

Figure 1



**GEOCON**  
CONSULTANTS, INC.

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

800 Cedar Street

Oakland,  
California

**SITE PLAN**

GEOCON Proj. No. E8560-02-55

EA No. 04-0R-0002

December 2013

Figure 2

**TABLE 1**  
**Boring Coordinates**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

<b>Boring</b>	<b>Latitude</b>	<b>Longitude</b>
A1	37.809030	-122.303883
A2	37.809136	-122.303866
A3	37.809047	-122.303812
A4	37.809181	-122.303806
B1	37.809300	-122.303868
B2	37.809454	-122.303842
B3	37.809590	-122.303808
B4	37.809762	-122.303733
B5	37.809740	-122.303520
B6	37.809586	-122.303634
B8	37.809322	-122.303736
B7	37.809465	-122.303681
D1	37.809649	-122.303483
D2	37.809574	-122.303576
D3	37.809424	-122.303617
D4	37.809267	-122.303657
D5*	37.809733	-122.303322
D6*	37.809603	-122.303369
D7*	37.809467	-122.303442
D8*	37.809325	-122.303519
E1	37.809144	-122.303645
E2	37.809141	-122.303754
E3	37.809042	-122.303767
E4*	37.809000	-122.303675
C1	37.809946	-122.303725
C2	37.809973	-122.303478
C3	37.809834	-122.303467
C4	37.809869	-122.303596
G1-5*	37.808892	-122.303472
H1-4*	37.808864	-122.303394
N1*	37.809403	-122.303389

\* Coordinates estimated

**TABLE 2**  
**Summary of Lead Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	TCLP Lead (mg/l)
<b><u>Stockpile 1</u></b>				
A1-0	0 to 0.5	58	2.7	---
A1-4	4 to 4.5	21	---	---
A1-7.5	7.5 to 8	12	---	---
A2-0	0 to 0.5	71	2.8	---
A2-4	4 to 4.5	8.4	---	---
A2-7.5	7.5 to 8	110	6.3	<0.25
A3-0	0 to 0.5	58	3.5	---
A3-4	4 to 4.5	46	---	---
A3-7.5	7.5 to 8	9.0	---	---
A4-0	0 to 0.5	52	2.1	---
A4-4	4 to 4.5	24	---	---
A4-7.5	7.5 to 8	21	---	---
B1-0	0 to 0.5	30	---	---
B1-5	5 to 5.5	12	---	---
B1-10	10 to 10.5	7.1	---	---
B1-15.5	15.5 to 16	65	1.4	---
B2-0	0 to 0.5	64	1.5	---
B2-5	5 to 5.5	44	---	---
B2-10	10 to 10.5	13	---	---
B2-15.5	15.5 to 16	22	---	---
B3-0	0 to 0.5	58	3.8	---
B3-5	5 to 5.5	200	0.81	---
B3-10	10 to 10.5	13	---	---
B3-15.5	15.5 to 16	27	---	---
B4-0	0 to 0.5	24	---	---
B4-5	5 to 5.5	18	---	---
B4-10	10 to 10.5	42	---	---
B4-15.5	15.5 to 16	30	---	---
B5-0	0 to 0.5	12	---	---
B5-5	5 to 5.5	200	8.6	<0.25
B5-10	10 to 10.5	18	---	---
B5-13.5	13.5 to 14	12	---	---

**TABLE 2**  
**Summary of Lead Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	TCLP Lead (mg/l)
B6-0	0 to 0.5	32	---	---
B6-5	5 to 5.5	280	4.2	---
B6-10	10 to 10.5	9.2	---	---
B6-15.5	15.5 to 16	19	---	---
B7-0	0 to 0.5	18	---	---
B7-5	5 to 5.5	160	21	<0.25
B7-10	10 to 10.5	120	7.6	<0.25
B7-15.5	15.5 to 16	41	---	---
B8-0	0 to 0.5	220	19	<0.25
B8-5	5 to 5.5	200	6.5	<0.25
B8-10	10 to 10.5	28	---	---
B8-15.5	15.5 to 16	74	4.0	---
C1-0	0 to 0.5	14	---	---
C1-3	3 to 3.5	29	---	---
C1-6	6 to 6.5	24	---	---
C2-0	0 to 0.5	11	---	---
C2-3	3 to 3.5	12	---	---
C2-6	6 to 6.5	40	---	---
C3-0	0 to 0.5	15	---	---
C3-3	3 to 3.5	57	0.63	---
C3-6	6 to 6.5	62	4.1	---
C4-0	0 to 0.5	28	---	---
C4-3	3 to 3.5	13	---	---
C4-6	6 to 6.5	43	---	---
D1-0	0 to 0.5	16	---	---
D1-4	3 to 3.5	<5.0	---	---
D1-7.5	7.5 to 8	100	5.1	<0.25
D2-0	0 to 0.5	11	---	---
D2-4	3 to 3.5	24	---	---
D2-7.5	7.5 to 8	29	---	---
D3-0	0 to 0.5	14	---	---
D3-4	3 to 3.5	72	5.6	<0.25
D3-7.5	7.5 to 8	29	---	---

**TABLE 2**  
**Summary of Lead Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	TCLP Lead (mg/l)
D4-0	0 to 0.5	12	---	---
D4-4	3 to 3.5	5.1	---	---
D4-7.5	7.5 to 8	22	---	---
D5-0	0 to 0.5	21	---	---
D5-3	3 to 3.5	24	---	---
			1.6	
D6-0	0 to 0.5	45	---	---
D6-3	3 to 3.5	110	5.0	<0.25
D7-0	0 to 0.5	47	---	---
D7-3	3 to 3.5	38	---	---
D8-0	0 to 0.5	28	---	---
D8-3	3 to 3.5	29	---	---
E1-0	*Value listed is for C	29	---	---
E1-6	6 to 6.5	25	---	---
E2-0	rels, Tables A and	13	---	---
E2-3	3 to 3.5	22	---	---
E2-6	6 to 6.5	21	---	---
E3-0	0 to 0.5	33	---	---
E3-3	3 to 3.5	58	1.5	---
E3-6	6 to 6.5	85	3.1	---
E4-0	0 to 0.5	1,900	---	<0.25
E4-3	3 to 3.5	99	3.1	---
E4-6	6 to 6.5	96	2.8	---
<b><u>Stockpile 2</u></b>				
G1-0	0 to 0.5	4.7	---	---
G1-4	4 to 4.5	<5.0	---	---
G1-8	8 to 8.5	5.5	---	---
G2-0	0 to 0.5	<5.0	---	---
G2-4	4 to 4.5	<5.0	---	---
G2-8	8 to 8.5	<5.0	---	---
G3-0	s, Tables A and	2.5	---	---
G3-4	4 to 4.5	5.0	---	---
G3-8	8 to 8.5	<5.0	---	---

**TABLE 2**  
**Summary of Lead Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	TCLP Lead (mg/l)
G4-0	0 to 0.5	5.5	---	---
G4-4	4 to 4.5	6.4	---	---
G4-8	8 to 8.5	120	8.2	<0.25
G5-0	0 to 0.5	5.1	---	---
G5-4	4 to 4.5	3.3	---	---
G5-8	8 to 8.5	3.5	---	---
<b><u>Stockpile 3</u></b>				
H1-0	0 to 0.5	<5.0	---	---
H1-2	2 to 2.5	1.9	---	---
H1-4	4 to 4.5	460	30	0.66
H2-0	0 to 0.5	2.5	---	---
H2-2	2 to 2.5	1.7	---	---
H2-4	4 to 4.5	<5.0	---	---
H3-0	0 to 0.5	1.1	---	---
H3-2	2 to 2.5	<5.0	---	---
H3-4	4 to 4.5	28	---	---
H4-0	0 to 0.5	7.2	---	---
H4-2	2 to 2.5	<5.0	---	---
H4-4	4 to 4.5	<5.0	---	---
<b><u>Stockpile 4</u></b>				
N1-0	0 to 0.5	12	---	---
N1-1	1 to 1.5	12	---	---
N1-2	2 to 2.5	12	---	---
N1-3	3 to 3.5	12	---	---
<b><u>Hazardous Waste Criteria</u></b>				
	TTLC (mg/kg)	1,000	---	---
	STLC (mg/l)	---	5.0	---
	TCLP (mg/l)	---	---	5.0

**Notes:**

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**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
<b>Stockpile 1</b>																			
A1-0	0 to 0.5	<2.0	4.9	100	<1.0	<1.0	36	---	9.2	31	58	0.16	<1.0	32	1.2	<1.0	<1.0	33	87
A1-4	4 to 4.5	<2.0	6.5	110	<1.0	<1.0	33	---	9.7	21	21	0.12	<1.0	42	<1.0	<1.0	<1.0	35	43
A2-4	4 to 4.5	<2.0	5.1	150	<1.0	<1.0	51	---	11	28	8.4	<0.10	<1.0	54	1.3	<1.0	<1.0	34	45
A2-7.5	7.5 to 8	<2.0	10	160	<1.0	<1.0	61 0.21	<1.0	12	34	110	0.20	<1.0	72	1.4	<1.0	<1.0	43	75
A3-0	0 to 0.5	<2.0	4.8	130	<1.0	<1.0	36	---	8.6	28	58	0.25	<1.0	36	1.1	<1.0	<1.0	33	78
A3-7.5	7.5 to 8	<2.0	6.0	130	<1.0	<1.0	52 0.29	---	14	32	9.0	<0.099	<1.0	100	1.9	<1.0	<1.0	48	53
B1-0	0 to 0.5	<2.0	4.1	100	<1.0	<1.0	44	---	12	32	30	0.10	<1.0	68	1.3	<1.0	<1.0	48	52
B1-5	5 to 5.5	<2.0	11	100	<1.0	<1.0	18	---	7.6	22	12	0.16	<1.0	14	1.7	<1.0	<1.0	31	69
B1-10		<2.0	4.8	130	<1.0	<1.0	44	---	11	25	7.1	<0.10	<1.0	54	1.2	<1.0	<1.0	37	43
B2-15.5	15.5 to 16	---	---	---	---	---	---	<1.0	---	---	---	---	---	---	---	---	---	---	---
B3-0	0 to 0.5	<2.0	5.2	190	<1.0	<1.0	38	---	12	36	58	0.15	<1.0	33	1.9	<1.0	<1.0	52	89
B3-10	10 to 10.5	<2.0	8.9	92	<1.0	<1.0	24	---	7.6	21	13	<0.099	<1.0	19	1.9	<1.0	<1.0	32	82
B4-15.5	15.5 to 16	<2.0	3.3	130	<1.0	<1.0	28	---	8.3	17	30	<0.10	<1.0	24	1.1	<1.0	<1.0	32	60
B5-0	0 to 0.5	<2.0	11	120	<1.0	<1.0	22	---	8.8	28	12	0.16	<1.0	18	2.7	<1.0	<1.0	36	86
B5-5	5 to 5.5	<2.0	56 0.13	88	<1.0	<1.0	17	<1.0	9.2	56	200	0.11	4.2	17	1.8	<1.0	<1.0	36	180
B6-5	5 to 5.5	31	12	120	<1.0	<1.0	24	---	8.3	89	280	0.41	<1.0	25	2.0	<1.0	<1.0	39	180
B6-15.5	15.5 to 16	<2.0	3.5	240	<1.0	<1.0	28	---	11	18	19	<0.10	<1.0	40	1.6	<1.0	<1.0	35	47
B7-0	0 to 0.5	<2.0	13	120	<1.0	<1.0	24	---	9.9	26	18	0.17	<1.0	18	2.3	<1.0	<1.0	36	88
B8-0	0 to 0.5	<2.0	5.7	130	<1.0	<1.0	30	---	9.6	31	220	0.15	<1.0	27	1.8	<1.0	<1.0	46	110
C2-3	3 to 3.5	<2.0	13	140	<1.0	<1.0	37	---	10	25	12	0.24	<1.0	40	2.0	<1.0	<1.0	31	88
C2-6	6 to 6.5	---	---	---	---	---	---	<1.0	---	---	---	---	---	---	---	---	---	---	---
C3-6	6 to 6.5	<2.0	2.9	75	<1.0	<1.0	81 0.15	---	18	35	62	0.16	<1.0	63	<1.0	<1.0	<1.0	32	90
C4-0	0 to 0.5	<2.0	14	160	<1.0	<1.0	29	---	13	29	28	0.22	<1.0	24	2.8	<1.0	<1.0	40	98

**TABLE 3**  
**Summary of CAM 17 Metals Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
D1-7.5	7.5 to 8	<2.0	4.2	100	<1.0	<1.0	47	<1.0	11	48	100	0.13	<1.0	40	1.1	<1.0	<1.0	34	93
D2-0	0 to 0.5	<2.0	10	100	<1.0	<1.0	21	---	8.2	23	11	0.20	<1.0	15	2.1	<1.0	<1.0	36	83
D2-4	4 to 4.5	<2.0	4.1	140	<1.0	<1.0	34	---	11	22	24	<0.099	<1.0	43	1.3	<1.0	<1.0	39	50
D4-0	0 to 0.5	<2.0	16	100	<1.0	<1.0	21	---	8.2	25	12	0.18	<1.0	15	2.4	<1.0	<1.0	34	80
D5-3	3 to 3.5	<2.0	6.5	130	<1.0	<1.0	36	---	9.4	40	24	0.54	<1.0	40	1.5	<1.0	<1.0	34	67
D6-0	0 to 0.5	<2.0	9.8	120	<1.0	<1.0	27	---	9.1	32	45	0.30	<1.0	23	2.0	<1.0	<1.0	35	92
D6-3	3 to 3.5	<2.0	9.9	150	<1.0	<1.0	30	<1.0	9.4	46	110	0.09	<1.0	28	1.7	<1.0	<1.0	36	160
D8-3	3 to 3.5	<2.0	3.6	150	<1.0	<1.0	27	---	9.9	17	29	<0.10	<1.0	25	<1.0	<1.0	<1.0	31	48
E2-6	6 to 6.5	<2.0	4.5	95	<1.0	<1.0	41	---	10	28	21	0.16	<1.0	66	1.1	<1.0	<1.0	33	52
E3-6	6 to 6.5	<2.0	5.4	120	<1.0	<1.0	30	---	9.1	42	85	1.1	<1.0	31	1.2	<1.0	<1.0	33	73
E4-0	0 to 0.5	<2.0	8.5	150	<1.0	<1.0	39	---	11	64	1,900	0.45	<1.0	43	1.6	<1.0	<1.0	30	130
<b>Stockpile 2</b>																			
G1-0	0 to 0.5	<2.0	3.7	31	<1.0	<1.0	42	---	11	20	4.7	<0.10	<1.0	34	1.1	<1.0	<1.0	37	33
G1-8	8 to 8.5	<2.0	3.5	23	<1.0	<1.0	34	<1.0	8.0	11	5.5	<0.10	<1.0	30	<1.0	<1.0	<1.0	31	23
G3-0	0 to 0.5	<2.0	2.5	40	<1.0	<1.0	42	---	10	24	2.5	<0.10	<1.0	28	1.2	<1.0	<1.0	40	25
G3-4	4 to 4.5	<2.0	1.7	63	<1.0	<1.0	52	---	15	42	5.0	<0.10	<1.0	34	1.9	<1.0	<1.0	54	33
							0.068												
G5-0	0 to 0.5	---	---	---	---	---	---	<1.0	---	---	---	---	---	---	---	---	---	---	---
G5-4	4 to 4.5	<2.0	2.8	24	<1.0	<1.0	32	---	8.4	17	3.3	0.14	<1.0	25	1.1	<1.0	<1.0	40	24
G5-8	8 to 8.5	<2.0	3.6	22	<1.0	<1.0	29	---	7.1	97	3.5	<0.099	<1.0	26	<1.0	<1.0	<1.0	27	21
<b>Stockpile 3</b>																			
H1-2	2 to 2.5	<2.0	<1.0	27	<1.0	<1.0	32	---	19	32	1.9	0.43	<1.0	25	2.5	<1.0	<1.0	98	21
H1-4	4 to 4.5	<2.0	4.1	130	<1.0	<1.0	40	2.0	14	75	460	0.26	<1.0	29	2.2	<1.0	<1.0	56	300
H2-0	0 to 0.5	<2.0	<1.0	24	<1.0	<1.0	24	---	16	50	2.5	0.23	<1.0	23	2.1	<1.0	<1.0	79	25
H2-2	2 to 2.5	<2.0	<1.0	28	<1.0	<1.0	28	---	16	62	1.7	0.21	<1.0	25	2.1	<1.0	<1.0	83	22
H3-0	0 to 0.5	<2.0	<1.0	30	<1.0	<1.0	28	<1.0	24	45	1.1	0.52	<1.0	22	3.4	<1.0	<1.0	100	16
H3-4	4 to 4.5	<2.0	<1.0	22	<1.0	<1.0	33	---	19	25	28	0.50	<1.0	19	3.2	<1.0	<1.0	95	37

**TABLE 3**  
**Summary of CAM 17 Metals Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
<b>Stockpile 4</b>																			
N1-0	0 to 0.5	<2.0	4.5	270	<1.0	<1.0	35	---	12	44	12	<0.10	<1.0	38	2.8	<1.0	<1.0	46	84
N1-1	1 to 1.5	<2.0	5.0	250	<1.0	<1.0	37	<1.0	8.5	39	12	<0.10	<1.0	31	3.2	<1.0	<1.0	50	75
N1-2	2 to 2.5	<2.0	4.1	300	<1.0	<1.0	34	---	11	43	12	<0.10	<1.0	36	2.8	<1.0	<1.0	43	82
N1-3	3 to 3.5	<2.0	4.2	300	<1.0	<1.0	34	---	12	40	12	<0.10	<1.0	36	2.5	<1.0	<1.0	43	80
<b>ESLs</b>																			
Residential Land Use		20	0.39	750	4.0	12	1,000	8.0	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	8.0	80	230	320	10	40	150	10	40	10	200	600
Construction Worker Exposure		120	10	61,000	180	110	460,000*	2.9	49	12,000	320	27	1,500	6,100	1,500	1,500	3.1	1,500	93,000
<b>Hazardous Waste Criteria</b>																			
TTL (mg/kg)		500	500	10,000	75	100	2,500	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STL (mg/l)		15	5.0	100	0.75	1.0	5.0	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	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.  
 TTL = total threshold limit concentration  
 STL = soluble threshold limit concentration  
 TCLP = toxicity characteristic leaching procedure

**TABLE 4**  
**Summary of Petroleum Hydrocarbons Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)
<b><u>Stockpile 1</u></b>				
A1-0	0 to 0.5	53	140	---
A1-4	4 to 4.5	17	50	<1.0
A1-7.5	7.5 to 8	36	81	<1.0
A3-0	0 to 0.5	67	210	---
A3-4	4 to 4.5	71	210	<1.0
A3-7.5	7.5 to 8	52	170	<1.0
B1-0	0 to 0.5	30	96	---
B1-5	5 to 5.5	53	190	<1.0
B1-10	10 to 10.5	14	25	<1.0
B1-15.5	15.5 to 16	35	120	<1.0
B3-0	0 to 0.5	98	280	---
B3-5	5 to 5.5	31	110	---
B3-10	10 to 10.5	69	250	<1.0
B3-15.5	15.5 to 16	15	36	<1.0
B5-0	0 to 0.5	68	210	---
B5-5	5 to 5.5	90	160	<1.0
B5-10	10 to 10.5	6.0	13	<1.0
B5-13.5	13.5 to 14	4.7	12	<1.0
B7-0	0 to 0.5	49	160	---
B7-5	5 to 5.5	900	2,000	---
B7-10	10 to 10.5	120	240	<1.0
B7-15.5	15.5 to 16	36	96	<1.0
C2-0	0 to 0.5	68	170	---
C2-3	3 to 3.5	53	150	<1.0
C2-6	6 to 6.5	30	94	<1.0
C4-0	0 to 0.5	78	240	---
C4-3	3 to 3.5	61	160	<1.0
C4-6	6 to 6.5	15	39	<1.0
D1-4	4 to 4.5	---	---	<1.0
D1-7.5	7.5 to 8	---	---	<1.0
D2-0	0 to 0.5	31	88	---
D2-4	4 to 4.5	5.0	11	---
D2-7.5	7.5 to 8	20	56	---
D3-4	4 to 4.5	---	---	<1.0
D3-7.5	7.5 to 8	---	---	<1.0

**TABLE 4**  
**Summary of Petroleum Hydrocarbons Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)
D4-0	0 to 0.5	47	130	---
D4-4	4 to 4.5	34	130	---
D4-7.5	7.5 to 8	17	47	---
D5-3	3 to 3.5	---	---	<1.0
D6-0	0 to 0.5	84	200	---
D6-3	3 to 3.5	78	170	---
D8-0	0 to 0.5	13	33	---
D8-3	3 to 3.5	15	38	<1.0
E1-3	3 to 3.5	---	---	<1.0
E1-6	6 to 6.5	---	---	<1.0
E2-0	0 to 0.5	76	220	---
E2-3	3 to 3.5	53	160	---
E2-6	6 to 6.5	17	44	---
E3-3	3 to 3.5	---	---	<1.0
E3-6	6 to 6.5	---	---	<1.0
E4-0	0 to 0.5	49	130	---
E4-3	3 to 3.5	100	250	---
E4-6	6 to 6.5	89	230	---
<b><u>Stockpile 2</u></b>				
G1-0	0 to 0.5	14	25	---
G1-4	4 to 4.5	7.6	22	<1.0
G1-8	8 to 8.5	23	45	<1.0
G2-0	0 to 0.5	5.2	16	---
G2-4	4 to 4.5	7.4	25	---
G2-8	8 to 8.5	5.3	16	---
G3-0	0 to 0.5	5.1	16	---
G3-4	4 to 4.5	34	72	<1.0
G3-8	8 to 8.5	9.8	24	<1.0
G4-0	0 to 0.5	10	29	---
G4-4	4 to 4.5	3.3	7.0	---
G4-8	8 to 8.5	31	82	---
G5-0	0 to 0.5	13	1.6	---
G5-4	4 to 4.5	50	94	<1.0
G5-8	8 to 8.5	6.3	16	<1.0

**TABLE 4**  
**Summary of Petroleum Hydrocarbons Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)
<b><u>Stockpile 3</u></b>				
H1-0	0 to 0.5	7.7	26	---
H1-2	2 to 2.5	7.2	26	<1.0
H1-4	4 to 4.5	52	130	<1.0
H2-0	*Value listed is for Chromiu	18	69	---
H2-4	4 to 4.5	6.5	22	<1.0
H3-0	Levels, Tables A and	8.7	30	---
H3-2	2 to 2.5	5.0	16	<1.0
H3-4	4 to 4.5	13	39	<1.0
H4-0	0 to 0.5	12	29	---
H4-2	2 to 2.5	7.4	32	<1.0
H4-4	4 to 4.5	5.8	24	<1.0
<b><u>ESLs</u></b>				
	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.

**TABLE 5**  
**Summary of Organochlorine Pesticides, PCBs, and VOCs Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	Organochlorine Pesticides	PCBs	VOCs
<b><u>Stockpile 1</u></b>				
A1-4	4 to 4.5	ND	ND	ND
A1-7.5	7.5 to 8	---	---	ND
A2-7.5	7.5 to 8	ND	ND	---
A3-0	0 to 0.5	alpha-Chlordane = 9.3 gamma-Chlordane = 1.0 4,4'-DDD = 2.2 4,4'-DDT = 5.8	ND	---
A3-4	4 to 4.5	---	---	ND
A3-7.5	7.5 to 8	---	---	ND
B1-5	5 to 5.5	---	---	ND
B1-10	10 to 10.5	---	---	ND
B1-15.5	15.5 to 16	alpha-Chlordane = 2.9 gamma-Chlordane = 3.5 4,4'-DDT = 3.7	ND	ND
B3-10	10 to 10.5	4,4'-DDT = 2.2 Dieldrin = 4.5	ND	ND
B3-15.5	15.5 to 16	---	---	ND
B4-5	5 to 5.5	ND	ND	---
B5-5	5 to 5.5	---	---	ND
B5-10	10 to 10.5	---	---	ND
B5-13.5	13.5 to 14	---	---	ND
B6-10	10 to 10.5	alpha-Chlordane = 2.5 gamma-Chlordane = 2.6 Dieldrin = 2.5	ND	---
B7-10	10 to 10.5	---	---	ND
B7-15.5	15.5 to 16	---	---	ND
B8-0	0 to 0.5	Dieldrin = 4.9	ND	---
C1-3	3 to 3.5	ND	ND	---
C2-3	3 to 3.5	---	---	ND
C2-6	6 to 6.5	ND	ND	ND

**TABLE 5**  
**Summary of Organochlorine Pesticides, PCBs, and VOCs Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	Organochlorine Pesticides	PCBs	VOCs
C4-0	0 to 0.5	ND	ND	---
C4-3	3 to 3.5	---	---	ND
C4-6	6 to 6.5	---	---	ND
D1-0	0 to 0.5	ND	ND	---
D1-4	4 to 4.5	---	---	ND
D1-7.5	7.5 to 8	---	---	ND
D2-4	4 to 4.5	ND	ND	---
D3-4	4 to 4.5	---	---	ND
D3-7.5	7.5 to 8	---	---	ND
D4-7.5	7.5 to 8	ND	ND	---
D5-3	3 to 3.5	4,4'-DDD = 2.7	ND	ND
D6-0	0 to 0.5	ND	ND	---
D8-3	3 to 3.5	---	---	ND
E1-0	0 to 0.5	ND	ND	---
E1-3	3 to 3.5	---	---	ND
E1-6	6 to 6.5	---	---	ND
E2-3	3 to 3.5	alpha-Chlordane = 9.3 gamma-Chlordane = 7.1 Chlordane = 29	ND	---
E3-3	3 to 3.5	---	---	ND
E3-6	6 to 6.5	---	---	ND
E4-6	6 to 6.5	alpha-Chlordane = 1.6 gamma-Chlordane = 2.9 Dieldrin = 4.0	Aroclor 1254 = 99	---
<b><u>Stockpile 2</u></b>				
G1-4	4 to 4.5	---	---	ND
G1-8	8 to 8.5	ND	ND	ND
G2-0	0 to 0.5	ND	ND	---
G3-4	4 to 4.5	ND	ND	ND
G3-8	8 to 8.5	---	---	ND

**TABLE 5**  
**Summary of Organochlorine Pesticides, PCBs, and VOCs Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	Organochlorine Pesticides	PCBs	VOCs
G4-4	4 to 4.5	ND	ND	---
G5-4	4 to 4.5	ND	ND	ND
G5-8	8 to 8.5	---	---	ND
<b><u>Stockpile 3</u></b>				
H1-0	0 to 0.5	ND	ND	---
H1-2	2 to 2.5	---	---	ND
H1-4	4 to 4.5	---	---	ND
H2-2	2 to 2.5	ND	ND	ND
H2-4	4 to 4.5	---	---	ND
H3-2	2 to 2.5	---	---	ND
H3-4	4 to 4.5	4,4'-DDE = 4.1 4,4'-DDT = 5.9	ND	ND
H4-2	2 to 2.5	ND	ND	ND
H4-4	4 to 4.5	---	---	ND
<hr/>				
<b><u>ESLs</u></b>				
	Residential	Chlordane = 440* 4,4'-DDD = 2,400 4,4'-DDT = 1,700 Dieldrin = 2.3	Total PCBs = 220	---
	Commercial/Industrial	Chlordane = 1,700* 4,4'-DDD = 10,000 4,4'-DDT = 4,000 Dieldrin = 2.3	Total PCBs = 740	---
	Construction Exposure	Chlordane = 12,000* 4,4'-DDD = 70,000 4,4'-DDT = 50,000 Dieldrin = 930	Total PCBs = 2,700	---

**Notes:**

- Results reported in micrograms per kilogram µg/kg
- PCBs ESLs = Environmental Screening Levels, Tables A and K-3, SFRWQCB, December 2013.
- VOCs = Volatile organic compounds
- ND = Not detected at or above the reporting limits
- = No standard exists for this compound
- ESLs = Environmental Screening Levels, Tables A and K-3, SFRWQCB, December 2013.
- \* Standards are shown for Chlordane as no standards exist for alpha- or gamma-Chlordane

**TABLE 6**  
**Summary of Semi-volatile Organic Compounds Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
<b>Stockpile 1</b>																		
A2-0	0 to 0.5	<5.0	<5.0	24	27	140	380	330	380	100	200	<50	470	6.0	180	<5.0	160	870
A2-4	4 to 4.5	<25	<25	<25	<25	27	<250	<250	<250	<250	52	<250	55	<25	<250	<25	25	58
A2-7.5	7.5 to 8	<5.0	<5.0	<5.0	8.4	110	110	140	<50	60	120	<50	100	<5.0	<50	<5.0	33	110
A4-0	0 to 0.5	<5.0	<5.0	25	29	140	460	400	410	160	310	<50	500	5.3	170	<5.0	190	1,200
A4-4	4 to 4.5	<5.0	<5.0	13	17	77	220	210	150	73	110	<50	240	<5.0	73	<5.0	100	490
A4-7.5	7.5 to 8	<5.0	<5.0	<5.0	<5.0	6.3	<50	<50	<50	<50	20	<50	11	<5.0	<50	<5.0	7.7	16
B2-0	0 to 0.5	<5.0	<5.0	37	36	190	510	460	330	160	260	<50	640	8.0	160	5.3	180	1,100
B2-5	5 to 5.5	<5.0	<5.0	29	34	340	<100	120	<100	<100	430	<100	750	8.0	<100	<5.0	180	1,300
B2-10	10 to 10.5	<5.0	<5.0	<5.0	<5.0	<50	<100	<100	<100	<100	<50	<100	41	<5.0	<100	<5.0	27	48
B2-15.5	15.5 to 16	<5.0	<5.0	<5.0	<5.0	<50	<100	<100	<100	<100	<50	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0
B4-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<50	<100	<100	<100	<100	<50	<100	17	<5.0	<100	<5.0	11	25
B4-5	5 to 5.5	<5.0	<5.0	<5.0	20	90	<100	<100	<100	<100	83	<100	160	<5.0	<100	<5.0	110	110
B4-10	10 to 10.5	<5.0	<5.0	<5.0	<5.0	<50	<100	<100	<100	<100	<50	<100	15	<5.0	<100	<5.0	10	15
B4-15.5	15.5 to 16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.4	<5.0	<5.0	<5.0	<5.0	5.0	<5.0	<5.0	<5.0	<5.0	5.7
B6-0	0 to 0.5	<10	<10	<10	13	93	<50	73	<50	<50	110	<50	210	<10	<50	<10	57	290
B6-5	5 to 5.5	22	15	<1000	<1000	5,300	7,400	11,000	3,900	4,000	6,200	<1000	18,000	57	3,600	110	5,800	20,000
B6-10	10 to 10.5	<5.0	<5.0	<5.0	<5.0	24	36	52	23	20	32	<5.0	83	<5.0	20	<5.0	29	90
B6-15.5	15.5 to 16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
B8-0	0 to 0.5	10	53	29	97	190	120	130	100	50	210	<50	510	51	57	13	390	270
B8-5	5 to 5.5	<10	<10	23	28	190	300	330	190	120	220	<50	270	<10	110	<10	130	290
B8-10	10 to 10.5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	<10	<10	13
B8-15.5	15.5 to 16	<10	<10	<10	<10	29	190	250	80	100	29	<50	45	<10	64	<10	29	39

**TABLE 6**  
**Summary of Semi-volatile Organic Compounds Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
C1-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	9.3	<50	<50	<50	<50	22	<50	13	<5.0	<50	<5.0	11	17
C1-3	3 to 3.5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50	<50	<50	<50	6.7	<5.0	<50	<5.0	<5.0	9.3
C1-6	6 to 6.5	<5.0	7.0	<5.0	17	100	160	180	50	87	97	<50	67	5.7	<50	5.7	44	70
C3-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<50	<50	60	<50	<50	<50	<50	31	<5.0	<50	<5.0	13	32
C3-3	3 to 3.5	<5.0	<5.0	25	87	170	430	360	300	140	210	<50	930	19	150	<5.0	610	1,700
C3-6	6 to 6.5	<10	<10	<10	<10	32	53	60	56	<50	46	<50	75	<10	<50	<10	31	100
D1-0	0 to 0.5	<5.0	<5.0	<5.0	12	<50	<50	<50	<50	<50	<50	<50	66	<5.0	<50	<5.0	36	57
D1-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50	<5.0	<50	<5.0	<5.0	<50	<5.0	<5.0	<5.0
D1-7.5	7.5 to 8	<5.0	<5.0	16	25	110	320	270	230	120	140	<50	450	5.3	110	<5.0	130	780
D3-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	9.3	<50	<50	<50	<50	20	<50	23	<5.0	<50	<5.0	13	24
D3-4	4 to 4.5	6.6	7.0	28	30	150	540	380	460	160	190	<50	680	9.3	170	7.3	200	1,400
D3-7.5	7.5 to 8	<5.0	<5.0	<5.0	<5.0	15	<50	<50	<50	<50	18	<50	45	<5.0	<50	<5.0	14	86
D5-0	0 to 0.5	<10	<10	<10	<10	<100	<100	<100	<100	<100	<100	<100	22	<10	<100	<10	13	25
D5-3	3 to 3.5	<10	<10	<10	<10	<100	<100	<100	<100	<100	<100	<100	19	<10	<100	<10	<10	22
D7-0	0 to 0.5	<10	<10	<10	<10	13	<50	<50	<50	<50	14	<50	23	<10	<50	<10	19	24
D7-3	3 to 3.5	<10	<10	<10	<10	<50	<50	<50	<50	<50	<50	<50	49	<10	<50	<10	15	51
E1-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	11	<50	<50	<50	<50	12	<50	19	<5.0	<50	<5.0	8.0	19
E1-3	3 to 3.5	<5.0	<5.0	<5.0	<5.0	12	<100	<100	<100	<100	11	<100	17	<5.0	<100	<5.0	7.4	18
E1-6	6 to 6.5	<5.0	<5.0	<5.0	<5.0	28	<100	<100	<100	<100	29	<100	35	<5.0	<100	<5.0	11	35

**TABLE 6**  
**Summary of Semi-volatile Organic Compounds Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	
E3-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<50	<100	<100	<100	<100	<50	<100	19	<5.0	<100	<5.0	14	23	
E3-3	3 to 3.5	<5.0	28	36	120	320	330	380	130	180	330	<100	680	32	120	5.3	460	710	
E3-6	6 to 6.5	<5.0	<5.0	<5.0	<5.0	16	<100	<100	<100	<100	27	<100	33	<5.0	<100	<5.0	23	32	
<b><u>Stockpile 2</u></b>																			
G1-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<5.0	5.3	10	<5.0	<5.0	7.4	<5.0	9.7	<5.0	<5.0	<5.0	5.3	11	
G1-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	11	15	19	<5.0	5.0	13	<5.0	19	<5.0	<5.0	<5.0	6.7	26	
G1-8	8 to 8.5	<5.0	<5.0	<5.0	19	18	17	20	<5.0	6.7	22	<5.0	33	<5.0	<5.0	<5.0	36	42	
G2-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	5.3	7.7	10	<5.0	<5.0	6.7	<5.0	11	<5.0	<5.0	<5.0	5.3	14	
G2-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	8.7	13	16	<5.0	5.7	11	<5.0	19	<5.0	<5.0	<5.0	5.7	25	
G2-8	8 to 8.5	<5.0	<5.0	<5.0	<5.0	13	19	22	<5.0	7.0	13	<5.0	28	<5.0	<5.0	<5.0	6.0	36	
G3-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	5.0	6.3	8.3	<5.0	<5.0	6.7	<5.0	11	<5.0	<5.0	<5.0	7.0	13	
G3-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	6.4	9.0	12	<5.0	<5.0	6.7	<5.0	19	<5.0	<5.0	<5.0	11	20	
G3-8	8 to 8.5	<5.0	<5.0	<5.0	<5.0	5.3	<50	<50	<50	<50	19	<50	15	<5.0	<50	<5.0	7.7	22	
G4-0	0 to 0.5	<5.0	<5.0	23	130	290	260	250	130	110	300	<50	510	22	110	<5.0	300	560	
G4-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50	<50	<50	<50	<5.0	<5.0	<50	<5.0	<5.0	<5.0	
G4-8	8 to 8.5	<5.0	<5.0	7.7	13	<50	<50	60	<50	<50	60	<50	58	5.0	<50	<5.0	44	62	
G5-0	0 to 0.5	<5.0	8.7	8.4	19	<50	<50	<50	<50	<50	<50	<50	86	6.4	<50	<5.0	77	97	
G5-4	4 to 4.5	<5.0	<5.0	<5.0	8.3	<50	<50	<50	<50	<50	<50	<50	30	<5.0	<50	<5.0	14	33	
G5-8	8 to 8.5	<5.0	<5.0	7.3	19	<50	60	<50	<50	<50	<50	<50	48	<5.0	<50	<5.0	31	53	

**TABLE 6**  
**Summary of Semi-volatile Organic Compounds Results**  
**800 Cedar Street Stockpiles**  
**Oakland, California**

Sample ID	Sample Depth (ft)	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	
<b>Stockpile 3</b>																			
H1-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	8.0	7.7	8.7	5.7	10	10	6.3	5.3	<5.0	5.3	<5.0	<5.0	5.3	
H1-2	2 to 2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H1-4	4 to 4.5	<5.0	<5.0	5.3	10	52	70	130	57	50	87	<50	130	<5.0	<50	<5.0	41	120	
H2-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H2-2	2 to 2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H2-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H3-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H3-2	2 to 2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H3-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50	11	<50	9.0	<5.0	<50	<5.0	<5.0	9.3	
H4-0	0 to 0.5	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<50	<50	<50	<5.0	<50	<5.0	<5.0	<50	<5.0	<5.0	<5.0	
H4-2	2 to 2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
H4-4	4 to 4.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
<b>ESLs</b>																			
Residential		250	16,000	13,000	2,800	380	38	380	27,000	380	3,800	110	40,000	8,900	380	1,200	11,000	85,000	
Commercial/Industrial		250	16,000	13,000	2,800	1,300	130	1,300	27,000	1,300	13,000	380	40,000	8,900	1,300	1,200	11,000	85,000	
Construction Exposure		570,000	8,600,000	---	43,000,000	8,300	830	8,300	---	8,300	83,000	2,400	5,700,000	5,700,000	8,300	370,000	---	8,600,000	

**Notes:**

Results reported in micrograms per kilogram µg/kg

< = Not detected at or above the stated reporting limit

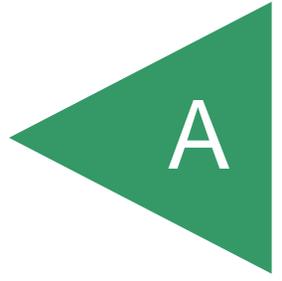
ND = Not detected at or above the reporting limits

--- = No standard exists for this compound

ESLs = Environmental Screening Levels (Tables A-1, A-2 and K-3)

APPENDIX

A



September 24, 2013

Rick Day  
Geocon Consultants, Inc.  
6671 Brisa Street  
Livermore, CA 94550

TEL: (925) 371-5900  
FAX: (925) 371-5915

CA-ELAP No.:2676  
NV Cert. No.:NV-009222007A

Workorder No.: N011008

RE: Caltrans - Cedar Street Stockpiles, E8560-02-55

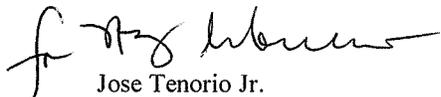
Attention: Rick Day

Enclosed are the results for sample(s) received on September 13, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Jose Tenorio Jr.  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55  
**Lab Order:** N011008

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**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

**Analytical Comments for EPA 6010B:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike(MS) and Matrix Spike Duplicate(MSD) is outside criteria for Lead ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for sample duplicates N011008-002, N011008-020 are outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

**Analytical Comments for EPA 7196:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

**Analytical Comments for EPA 8015B\_DRO/ORO:**

RPD for Matrix Spike(MS) and Matrix Spike Duplicate(MSD) on N011008-003A-MS/MSD is outside criteria ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for sample duplicates N011008-006, N011008-024 are outside criteria ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55  
**Lab Order:** N011008

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## CASE NARRATIVE

### Analytical Comments for EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

Surrogate Tetrachloro-m-xylene recovery bias low on sample N011008-023 possibly due to matrix interference. Soil sample was clay type. The other surrogate was recovered within control limits.

### Analytical Comments for EPA 8082:

Surrogate Tetrachloro-m-xylene recovery bias low on sample N011008-023 possibly due to matrix interference. Soil sample was clay type. The other surrogate was recovered within control limits.

### Analytical Comments for EPA 8270C\_SIM:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike (MS) and Matrix Spike Duplicate (MSD) is outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for sample duplicates are outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Internal Standard Perylene-d12 low bias on samples N011008-003, N011008-009, N011008-010, N011008-011A-MS and N011008-021 possibly due to matrix interference. Samples were analyzed with dilution and internal standard met method criteria. Affected analytes for this failed internal standard were reported at a dilution that meet internal standard recovery limit.

Internal Standards Perylene-d12 and Chrysene-d12 low bias on samples N011008-022, N011008-022-DUP, N011008-023, N011008-024, N011008-025, N011008-026, N011008-027 possibly due to matrix interference. Samples were analyzed with dilution and internal standard met method criteria. Affected analytes for these failed internal standards were reported at a dilution that meet internal standard recovery limit.



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 9:50:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130917A	QC Batch:	43888	PrepDate:	9/17/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Benzo(a)anthracene	8.0	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Benzo(a)pyrene	7.7	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Benzo(b)fluoranthene	8.7	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Benzo(g,h,i)perylene	5.7	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Benzo(k)fluoranthene	10	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Chrysene	10	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Dibenz(a,h)anthracene	6.3	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Fluoranthene	5.3	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Indeno(1,2,3-cd)pyrene	5.3	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Phenanthrene	ND	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Pyrene	5.3	5.0	µg/Kg	1	9/17/2013 01:34 PM	
Surr: 1,2-Dichlorobenzene-d4	41.0	14-120	%REC	1	9/17/2013 01:34 PM	
Surr: 2-Fluorobiphenyl	50.1	28-130	%REC	1	9/17/2013 01:34 PM	
Surr: 4-Terphenyl-d14	88.1	19-165	%REC	1	9/17/2013 01:34 PM	
Surr: Nitrobenzene-d5	53.1	23-150	%REC	1	9/17/2013 01:34 PM	

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B			EPA 8015B			
RunID:	GC1_130917A	QC Batch:	43889	PrepDate:	9/17/2013	Analyst: MDM
DRO	7.7	1.0	mg/Kg	1	9/17/2013 02:49 PM	
ORO	26	1.0	mg/Kg	1	9/17/2013 02:49 PM	
Surr: p-Terphenyl	74.6	59-127	%REC	1	9/17/2013 02:49 PM	

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B			EPA 8081A			
RunID:	GC7_130919A	QC Batch:	43887	PrepDate:	9/17/2013	Analyst: MDM
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 01:18 AM	
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 01:18 AM	
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 01:18 AM	
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 01:18 AM	
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 01:18 AM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 9:50:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
alpha-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
beta-BHC	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
Chlordane	ND	8.5	µg/Kg	1		9/19/2013 01:18 AM
delta-BHC	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
Dieldrin	ND	2.0	µg/Kg	1		9/19/2013 01:18 AM
Endosulfan I	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
Endosulfan II	ND	2.0	µg/Kg	1		9/19/2013 01:18 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/19/2013 01:18 AM
Endrin	ND	2.0	µg/Kg	1		9/19/2013 01:18 AM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/19/2013 01:18 AM
Endrin ketone	ND	2.0	µg/Kg	1		9/19/2013 01:18 AM
gamma-BHC	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
Heptachlor	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/19/2013 01:18 AM
Methoxychlor	ND	8.5	µg/Kg	1		9/19/2013 01:18 AM
Toxaphene	ND	85	µg/Kg	1		9/19/2013 01:18 AM
Surr: Tetrachloro-m-xylene	55.9	28-161	%REC	1		9/19/2013 01:18 AM
Surr: Decachlorobiphenyl	81.2	28-120	%REC	1		9/19/2013 01:18 AM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	17	µg/Kg	1		9/18/2013 01:04 AM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 01:04 AM
Aroclor 1232	ND	17	µg/Kg	1		9/18/2013 01:04 AM
Aroclor 1242	ND	17	µg/Kg	1		9/18/2013 01:04 AM
Aroclor 1248	ND	17	µg/Kg	1		9/18/2013 01:04 AM
Aroclor 1254	ND	17	µg/Kg	1		9/18/2013 01:04 AM
Aroclor 1260	ND	17	µg/Kg	1		9/18/2013 01:04 AM
Surr: Decachlorobiphenyl	99.6	40-146	%REC	1		9/18/2013 01:04 AM
Surr: Tetrachloro-m-xylene	76.0	32-109	%REC	1		9/18/2013 01:04 AM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	ND	5.0	mg/Kg	1		9/18/2013 07:26 PM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 9:55:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130917A	QC Batch:	43888	PrepDate:	9/17/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Benzo(a)pyrene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Benzo(b)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Chrysene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Phenanthrene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Pyrene	ND	5.0	µg/Kg	1	9/17/2013 02:03 PM	
Surr: 1,2-Dichlorobenzene-d4	41.0	14-120	%REC	1	9/17/2013 02:03 PM	
Surr: 2-Fluorobiphenyl	47.0	28-130	%REC	1	9/17/2013 02:03 PM	
Surr: 4-Terphenyl-d14	64.1	19-165	%REC	1	9/17/2013 02:03 PM	
Surr: Nitrobenzene-d5	51.1	23-150	%REC	1	9/17/2013 02:03 PM	

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

EPA 8260B					
RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 12:51 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 9:55:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 12:51 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 9:55:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 12:51 PM
Surr: 1,2-Dichloroethane-d4	95.2	63-139	%REC	1	9/19/2013 12:51 PM
Surr: 4-Bromofluorobenzene	89.0	75-124	%REC	1	9/19/2013 12:51 PM
Surr: Dibromofluoromethane	95.1	70-133	%REC	1	9/19/2013 12:51 PM
Surr: Toluene-d8	89.1	80-123	%REC	1	9/19/2013 12:51 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	7.2	1.0	mg/Kg	1	9/17/2013 03:14 PM
ORO	26	1.0	mg/Kg	1	9/17/2013 03:14 PM
Surr: p-Terphenyl	85.1	59-127	%REC	1	9/17/2013 03:14 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/17/2013 10:19 AM
Surr: Chlorobenzene - d5	106	51-136	%REC	1	9/17/2013 10:19 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.43	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43901	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/21/2013 01:41 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 9:55:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Arsenic	ND	1.0		mg/Kg	1	9/21/2013 01:41 PM
Barium	27	1.0		mg/Kg	1	9/21/2013 01:41 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 01:41 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 01:41 PM
Chromium	32	1.0		mg/Kg	1	9/21/2013 01:41 PM
Cobalt	19	1.0		mg/Kg	1	9/21/2013 01:41 PM
Copper	32	2.0		mg/Kg	1	9/21/2013 01:41 PM
Lead	1.9	1.0		mg/Kg	1	9/21/2013 01:41 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 01:41 PM
Nickel	25	1.0		mg/Kg	1	9/21/2013 01:41 PM
Selenium	2.5	1.0		mg/Kg	1	9/21/2013 01:41 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 01:41 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 01:41 PM
Vanadium	98	1.0		mg/Kg	1	9/21/2013 01:41 PM
Zinc	21	1.0		mg/Kg	1	9/21/2013 01:41 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:00:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HEXAVALENT CHROMIUM**

**EPA 3060A**

**EPA 7196A**

RunID: WETCHEM_130920C	QC Batch: 43908			PrepDate: 9/19/2013	Analyst: <b>QBM</b>
Chromium, Hexavalent	2.0	1.0	mg/Kg	1	9/20/2013

**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888			PrepDate: 9/17/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 02:31 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 02:31 PM
Acenaphthylene	5.3	5.0	µg/Kg	1	9/17/2013 02:31 PM
Anthracene	10	5.0	µg/Kg	1	9/17/2013 02:31 PM
Benzo(a)anthracene	52	5.0	µg/Kg	1	9/17/2013 02:31 PM
Benzo(a)pyrene	70	50	µg/Kg	10	9/22/2013 10:52 AM
Benzo(b)fluoranthene	130	50	µg/Kg	10	9/22/2013 10:52 AM
Benzo(g,h,i)perylene	57	50	µg/Kg	10	9/22/2013 10:52 AM
Benzo(k)fluoranthene	50	50	µg/Kg	10	9/22/2013 10:52 AM
Chrysene	87	5.0	µg/Kg	1	9/17/2013 02:31 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 10:52 AM
Fluoranthene	130	5.0	µg/Kg	1	9/17/2013 02:31 PM
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 02:31 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/22/2013 10:52 AM
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 02:31 PM
Phenanthrene	41	5.0	µg/Kg	1	9/17/2013 02:31 PM
Pyrene	120	5.0	µg/Kg	1	9/17/2013 02:31 PM
Surr: 1,2-Dichlorobenzene-d4	42.0	14-120	%REC	1	9/17/2013 02:31 PM
Surr: 2-Fluorobiphenyl	54.1	28-130	%REC	1	9/17/2013 02:31 PM
Surr: 4-Terphenyl-d14	84.1	19-165	%REC	1	9/17/2013 02:31 PM
Surr: Nitrobenzene-d5	56.1	23-150	%REC	1	9/17/2013 02:31 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001			PrepDate:	Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:00:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: QBM		
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 01:12 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Benzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 01:12 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:00:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
MTBE	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 01:12 PM
Surr: 1,2-Dichloroethane-d4	86.9	63-139	%REC	1	9/19/2013 01:12 PM
Surr: 4-Bromofluorobenzene	76.5	75-124	%REC	1	9/19/2013 01:12 PM
Surr: Dibromofluoromethane	82.5	70-133	%REC	1	9/19/2013 01:12 PM
Surr: Toluene-d8	83.9	80-123	%REC	1	9/19/2013 01:12 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	52	1.0	mg/Kg	1	9/17/2013 03:40 PM
ORO	130	1.0	mg/Kg	1	9/17/2013 03:40 PM
Surr: p-Terphenyl	96.7	59-127	%REC	1	9/17/2013 03:40 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/17/2013 10:47 AM
Surr: Chlorobenzene - d5	102	51-136	%REC	1	9/17/2013 10:47 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.26	0.099	mg/Kg	1	9/18/2013

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:00:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:06 PM
Arsenic	4.1	1.0		mg/Kg	1	9/21/2013 02:06 PM
Barium	130	1.0		mg/Kg	1	9/21/2013 02:06 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:06 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:06 PM
Chromium	40	1.0		mg/Kg	1	9/21/2013 02:06 PM
Cobalt	14	1.0		mg/Kg	1	9/21/2013 02:06 PM
Copper	75	2.0		mg/Kg	1	9/21/2013 02:06 PM
Lead	460	1.0		mg/Kg	1	9/21/2013 02:06 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:06 PM
Nickel	29	1.0		mg/Kg	1	9/21/2013 02:06 PM
Selenium	2.2	1.0		mg/Kg	1	9/21/2013 02:06 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:06 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:06 PM
Vanadium	56	1.0		mg/Kg	1	9/21/2013 02:06 PM
Zinc	300	1.0		mg/Kg	1	9/21/2013 02:06 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:05:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130917A	QC Batch: 43888		PrepDate: 9/17/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Acenaphthene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Acenaphthylene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Anthracene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Benzo(a)anthracene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Benzo(a)pyrene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Benzo(b)fluoranthene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Chrysene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Fluoranthene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Fluorene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Naphthalene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Phenanthrene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Pyrene	ND	5.0	µg/Kg	1		9/17/2013 02:59 PM
Surr: 1,2-Dichlorobenzene-d4	40.0	14-120	%REC	1		9/17/2013 02:59 PM
Surr: 2-Fluorobiphenyl	51.1	28-130	%REC	1		9/17/2013 02:59 PM
Surr: 4-Terphenyl-d14	83.1	19-165	%REC	1		9/17/2013 02:59 PM
Surr: Nitrobenzene-d5	54.1	23-150	%REC	1		9/17/2013 02:59 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B			EPA 8015B			
RunID: GC1_130917A	QC Batch: 43889		PrepDate: 9/17/2013	Analyst: MDM		
DRO	18	1.0	mg/Kg	1		9/17/2013 04:06 PM
ORO	69	1.0	mg/Kg	1		9/17/2013 04:06 PM
Surr: p-Terphenyl	78.4	59-127	%REC	1		9/17/2013 04:06 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471			EPA 7471A			
RunID: AA1_130918E	QC Batch: 43890		PrepDate: 9/17/2013	Analyst: JT		
Mercury	0.23	0.10	mg/Kg	1		9/18/2013

**ICP METALS**

EPA 3050B			EPA 6010B			
RunID: ICP2_130921A	QC Batch: 43901		PrepDate: 9/18/2013	Analyst: JT		

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:05:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:13 PM
Arsenic	ND	1.0		mg/Kg	1	9/21/2013 02:13 PM
Barium	24	1.0		mg/Kg	1	9/21/2013 02:13 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:13 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:13 PM
Chromium	24	1.0		mg/Kg	1	9/21/2013 02:13 PM
Cobalt	16	1.0		mg/Kg	1	9/21/2013 02:13 PM
Copper	50	2.0		mg/Kg	1	9/21/2013 02:13 PM
Lead	2.5	1.0		mg/Kg	1	9/21/2013 02:13 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:13 PM
Nickel	23	1.0		mg/Kg	1	9/21/2013 02:13 PM
Selenium	2.1	1.0		mg/Kg	1	9/21/2013 02:13 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:13 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:13 PM
Vanadium	79	1.0		mg/Kg	1	9/21/2013 02:13 PM
Zinc	25	1.0		mg/Kg	1	9/21/2013 02:13 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:10:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888			PrepDate: 9/17/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Acenaphthene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Acenaphthylene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Anthracene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Benzo(a)pyrene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Chrysene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Fluoranthene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Fluorene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Naphthalene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Phenanthrene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Pyrene	ND	5.0		µg/Kg	1 9/17/2013 03:55 PM
Surr: 1,2-Dichlorobenzene-d4	30.0	14-120		%REC	1 9/17/2013 03:55 PM
Surr: 2-Fluorobiphenyl	47.0	28-130		%REC	1 9/17/2013 03:55 PM
Surr: 4-Terphenyl-d14	84.1	19-165		%REC	1 9/17/2013 03:55 PM
Surr: Nitrobenzene-d5	41.0	23-150		%REC	1 9/17/2013 03:55 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001			PrepDate:	Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1 9/19/2013 01:33 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1 9/19/2013 01:33 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:10:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 01:33 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:10:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 01:33 PM
Surr: 1,2-Dichloroethane-d4	99.0	63-139	%REC	1	9/19/2013 01:33 PM
Surr: 4-Bromofluorobenzene	88.8	75-124	%REC	1	9/19/2013 01:33 PM
Surr: Dibromofluoromethane	96.3	70-133	%REC	1	9/19/2013 01:33 PM
Surr: Toluene-d8	88.9	80-123	%REC	1	9/19/2013 01:33 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	6.9	1.0	mg/Kg	1	9/17/2013 04:31 PM
ORO	24	1.0	mg/Kg	1	9/17/2013 04:31 PM
Surr: p-Terphenyl	78.1	59-127	%REC	1	9/17/2013 04:31 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 01:45 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:10:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM	
Endrin	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 01:45 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 01:45 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 01:45 AM	
Toxaphene	ND	85	µg/Kg	1	9/19/2013 01:45 AM	
Surr: Tetrachloro-m-xylene	55.7	28-161	%REC	1	9/19/2013 01:45 AM	
Surr: Decachlorobiphenyl	68.1	28-120	%REC	1	9/19/2013 01:45 AM	

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	16	µg/Kg	1	9/18/2013 01:33 AM	
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 01:33 AM	
Aroclor 1232	ND	16	µg/Kg	1	9/18/2013 01:33 AM	
Aroclor 1242	ND	16	µg/Kg	1	9/18/2013 01:33 AM	
Aroclor 1248	ND	16	µg/Kg	1	9/18/2013 01:33 AM	
Aroclor 1254	ND	16	µg/Kg	1	9/18/2013 01:33 AM	
Aroclor 1260	ND	16	µg/Kg	1	9/18/2013 01:33 AM	
Surr: Decachlorobiphenyl	69.1	40-146	%REC	1	9/18/2013 01:33 AM	
Surr: Tetrachloro-m-xylene	69.5	32-109	%REC	1	9/18/2013 01:33 AM	

**GASOLINE RANGE ORGANICS BY GC/FID**

EPA 8015B						
RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:		Analyst:	PN	
GRO	ND	1.0	mg/Kg	1	9/17/2013 11:15 AM	
Surr: Chlorobenzene - d5	115	51-136	%REC	1	9/17/2013 11:15 AM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43890	PrepDate:	9/17/2013	Analyst:	JT	
Mercury	0.21	0.099	mg/Kg	1	9/18/2013	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:10:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:19 PM
Arsenic	ND	1.0		mg/Kg	1	9/21/2013 02:19 PM
Barium	28	1.0		mg/Kg	1	9/21/2013 02:19 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:19 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:19 PM
Chromium	28	1.0		mg/Kg	1	9/21/2013 02:19 PM
Cobalt	16	1.0		mg/Kg	1	9/21/2013 02:19 PM
Copper	62	2.0		mg/Kg	1	9/21/2013 02:19 PM
Lead	1.7	1.0		mg/Kg	1	9/21/2013 02:19 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:19 PM
Nickel	25	1.0		mg/Kg	1	9/21/2013 02:19 PM
Selenium	2.1	1.0		mg/Kg	1	9/21/2013 02:19 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:19 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:19 PM
Vanadium	83	1.0		mg/Kg	1	9/21/2013 02:19 PM
Zinc	22	1.0		mg/Kg	1	9/21/2013 02:19 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:15:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Benzo(a)pyrene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Benzo(b)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Chrysene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Phenanthrene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Pyrene	ND	5.0	µg/Kg	1	9/17/2013 04:24 PM
Surr: 1,2-Dichlorobenzene-d4	46.0	14-120	%REC	1	9/17/2013 04:24 PM
Surr: 2-Fluorobiphenyl	54.1	28-130	%REC	1	9/17/2013 04:24 PM
Surr: 4-Terphenyl-d14	78.1	19-165	%REC	1	9/17/2013 04:24 PM
Surr: Nitrobenzene-d5	55.1	23-150	%REC	1	9/17/2013 04:24 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 01:55 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:15:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 01:55 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H2-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:15:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 01:55 PM
Surr: 1,2-Dichloroethane-d4	83.4	63-139	%REC	1	9/19/2013 01:55 PM
Surr: 4-Bromofluorobenzene	89.0	75-124	%REC	1	9/19/2013 01:55 PM
Surr: Dibromofluoromethane	85.8	70-133	%REC	1	9/19/2013 01:55 PM
Surr: Toluene-d8	91.7	80-123	%REC	1	9/19/2013 01:55 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	6.5	1.0	mg/Kg	1	9/17/2013 04:57 PM
ORO	22	1.0	mg/Kg	1	9/17/2013 04:57 PM
Surr: p-Terphenyl	79.1	59-127	%REC	1	9/17/2013 04:57 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/17/2013 11:43 AM
Surr: Chlorobenzene - d5	115	51-136	%REC	1	9/17/2013 11:43 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130918D	QC Batch: 43902	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	ND	5.0	mg/Kg	1	9/18/2013 07:30 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:20:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>HEXAVALENT CHROMIUM</b>						
	<b>EPA 3060A</b>			<b>EPA 7196A</b>		
RunID: WETCHEM_130920C	QC Batch: 43908			PrepDate: 9/19/2013		Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0		mg/Kg	1	9/20/2013
<b>SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM</b>						
	<b>EPA 3550B</b>			<b>EPA 8270CSIM</b>		
RunID: MS3_130917A	QC Batch: 43888			PrepDate: 9/17/2013		Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Acenaphthene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Acenaphthylene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Anthracene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Benzo(a)pyrene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Benzo(b)fluoranthene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Chrysene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Fluoranthene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Fluorene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Naphthalene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Phenanthrene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Pyrene	ND	5.0		µg/Kg	1	9/17/2013 04:52 PM
Surr: 1,2-Dichlorobenzene-d4	39.0	14-120		%REC	1	9/17/2013 04:52 PM
Surr: 2-Fluorobiphenyl	49.0	28-130		%REC	1	9/17/2013 04:52 PM
Surr: 4-Terphenyl-d14	87.1	19-165		%REC	1	9/17/2013 04:52 PM
Surr: Nitrobenzene-d5	50.1	23-150		%REC	1	9/17/2013 04:52 PM
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3550B</b>			<b>EPA 8015B</b>		
RunID: GC1_130917A	QC Batch: 43889			PrepDate: 9/17/2013		Analyst: <b>MDM</b>
DRO	8.7	1.0		mg/Kg	1	9/17/2013 05:49 PM
ORO	30	1.0		mg/Kg	1	9/17/2013 05:49 PM
Surr: p-Terphenyl	79.9	59-127		%REC	1	9/17/2013 05:49 PM
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
	<b>EPA 7471</b>			<b>EPA 7471A</b>		
RunID: AA1_130918E	QC Batch: 43890			PrepDate: 9/17/2013		Analyst: <b>JT</b>

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:20:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890			PrepDate: 9/17/2013	Analyst: JT
Mercury	0.52	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43901			PrepDate: 9/18/2013	Analyst: JT
Antimony	ND	2.0	mg/Kg	1	9/21/2013 02:26 PM
Arsenic	ND	1.0	mg/Kg	1	9/21/2013 02:26 PM
Barium	30	1.0	mg/Kg	1	9/21/2013 02:26 PM
Beryllium	ND	1.0	mg/Kg	1	9/21/2013 02:26 PM
Cadmium	ND	1.0	mg/Kg	1	9/21/2013 02:26 PM
Chromium	28	1.0	mg/Kg	1	9/21/2013 02:26 PM
Cobalt	24	1.0	mg/Kg	1	9/21/2013 02:26 PM
Copper	45	2.0	mg/Kg	1	9/21/2013 02:26 PM
Lead	1.1	1.0	mg/Kg	1	9/21/2013 02:26 PM
Molybdenum	ND	1.0	mg/Kg	1	9/21/2013 02:26 PM
Nickel	22	1.0	mg/Kg	1	9/21/2013 02:26 PM
Selenium	3.4	1.0	mg/Kg	1	9/21/2013 02:26 PM
Silver	ND	1.0	mg/Kg	1	9/21/2013 02:26 PM
Thallium	ND	1.0	mg/Kg	1	9/21/2013 02:26 PM
Vanadium	100	1.0	mg/Kg	1	9/21/2013 02:26 PM
Zinc	16	1.0	mg/Kg	1	9/21/2013 02:26 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:25:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID:	MS3_130917A	QC Batch:	43888	PrepDate:	9/17/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Benzo(a)pyrene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Benzo(b)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Chrysene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Phenanthrene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Pyrene	ND	5.0	µg/Kg	1	9/17/2013 05:20 PM	
Surr: 1,2-Dichlorobenzene-d4	35.0	14-120	%REC	1	9/17/2013 05:20 PM	
Surr: 2-Fluorobiphenyl	45.0	28-130	%REC	1	9/17/2013 05:20 PM	
Surr: 4-Terphenyl-d14	84.1	19-165	%REC	1	9/17/2013 05:20 PM	
Surr: Nitrobenzene-d5	45.0	23-150	%REC	1	9/17/2013 05:20 PM	

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

EPA 8260B						
RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:		Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 02:16 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:25:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 02:16 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:25:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 02:16 PM
Surr: 1,2-Dichloroethane-d4	87.9	63-139	%REC	1	9/19/2013 02:16 PM
Surr: 4-Bromofluorobenzene	89.2	75-124	%REC	1	9/19/2013 02:16 PM
Surr: Dibromofluoromethane	87.6	70-133	%REC	1	9/19/2013 02:16 PM
Surr: Toluene-d8	95.9	80-123	%REC	1	9/19/2013 02:16 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	5.0	1.0	mg/Kg	1	9/17/2013 06:14 PM
ORO	16	1.0	mg/Kg	1	9/17/2013 06:14 PM
Surr: p-Terphenyl	82.7	59-127	%REC	1	9/17/2013 06:14 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/17/2013 12:11 PM
Surr: Chlorobenzene - d5	110	51-136	%REC	1	9/17/2013 12:11 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130918D	QC Batch: 43902	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	ND	5.0	mg/Kg	1	9/18/2013 07:52 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888			PrepDate: 9/17/2013	Analyst: MDM	
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Acenaphthene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Acenaphthylene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Anthracene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Benzo(a)anthracene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Benzo(a)pyrene	ND	50		µg/Kg	10	9/23/2013 11:42 AM
Benzo(b)fluoranthene	ND	50		µg/Kg	10	9/23/2013 11:42 AM
Benzo(g,h,i)perylene	ND	50		µg/Kg	10	9/23/2013 11:42 AM
Benzo(k)fluoranthene	ND	50		µg/Kg	10	9/23/2013 11:42 AM
Chrysene	11	5.0		µg/Kg	1	9/17/2013 05:48 PM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/23/2013 11:42 AM
Fluoranthene	9.0	5.0		µg/Kg	1	9/17/2013 05:48 PM
Fluorene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/Kg	10	9/23/2013 11:42 AM
Naphthalene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Phenanthrene	ND	5.0		µg/Kg	1	9/17/2013 05:48 PM
Pyrene	9.3	5.0		µg/Kg	1	9/17/2013 05:48 PM
Surr: 1,2-Dichlorobenzene-d4	30.0	14-120		%REC	1	9/17/2013 05:48 PM
Surr: 2-Fluorobiphenyl	48.0	28-130		%REC	1	9/17/2013 05:48 PM
Surr: 4-Terphenyl-d14	89.1	19-165		%REC	1	9/17/2013 05:48 PM
Surr: Nitrobenzene-d5	42.0	23-150		%REC	1	9/17/2013 05:48 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001			PrepDate:	Analyst: QBM	
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/19/2013 02:37 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/19/2013 02:37 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 02:37 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 02:37 PM
Surr: 1,2-Dichloroethane-d4	86.9	63-139	%REC	1	9/19/2013 02:37 PM
Surr: 4-Bromofluorobenzene	81.3	75-124	%REC	1	9/19/2013 02:37 PM
Surr: Dibromofluoromethane	87.1	70-133	%REC	1	9/19/2013 02:37 PM
Surr: Toluene-d8	91.4	80-123	%REC	1	9/19/2013 02:37 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	13	1.0	mg/Kg	1	9/17/2013 06:40 PM
ORO	39	1.0	mg/Kg	1	9/17/2013 06:40 PM
Surr: p-Terphenyl	79.0	59-127	%REC	1	9/17/2013 06:40 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM
4,4'-DDE	4.1	2.0	µg/Kg	1	9/19/2013 02:11 AM
4,4'-DDT	5.9	2.0	µg/Kg	1	9/19/2013 02:11 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 02:11 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM	
Endrin	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 02:11 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 02:11 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 02:11 AM	
Toxaphene	ND	85	µg/Kg	1	9/19/2013 02:11 AM	
Surr: Tetrachloro-m-xylene	56.7	28-161	%REC	1	9/19/2013 02:11 AM	
Surr: Decachlorobiphenyl	58.6	28-120	%REC	1	9/19/2013 02:11 AM	

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	17	µg/Kg	1	9/18/2013 02:03 AM	
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 02:03 AM	
Aroclor 1232	ND	17	µg/Kg	1	9/18/2013 02:03 AM	
Aroclor 1242	ND	17	µg/Kg	1	9/18/2013 02:03 AM	
Aroclor 1248	ND	17	µg/Kg	1	9/18/2013 02:03 AM	
Aroclor 1254	ND	17	µg/Kg	1	9/18/2013 02:03 AM	
Aroclor 1260	ND	17	µg/Kg	1	9/18/2013 02:03 AM	
Surr: Decachlorobiphenyl	74.8	40-146	%REC	1	9/18/2013 02:03 AM	
Surr: Tetrachloro-m-xylene	69.2	32-109	%REC	1	9/18/2013 02:03 AM	

**GASOLINE RANGE ORGANICS BY GC/FID**

EPA 8015B						
RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:		Analyst:	PN	
GRO	ND	1.0	mg/Kg	1	9/17/2013 12:39 PM	
Surr: Chlorobenzene - d5	106	51-136	%REC	1	9/17/2013 12:39 PM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43890	PrepDate:	9/17/2013	Analyst:	JT	
Mercury	0.50	0.10	mg/Kg	1	9/18/2013	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:33 PM
Arsenic	ND	1.0		mg/Kg	1	9/21/2013 02:33 PM
Barium	22	1.0		mg/Kg	1	9/21/2013 02:33 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:33 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:33 PM
Chromium	33	1.0		mg/Kg	1	9/21/2013 02:33 PM
Cobalt	19	1.0		mg/Kg	1	9/21/2013 02:33 PM
Copper	25	2.0		mg/Kg	1	9/21/2013 02:33 PM
Lead	28	1.0		mg/Kg	1	9/21/2013 02:33 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:33 PM
Nickel	19	1.0		mg/Kg	1	9/21/2013 02:33 PM
Selenium	3.2	1.0		mg/Kg	1	9/21/2013 02:33 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:33 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:33 PM
Vanadium	95	1.0		mg/Kg	1	9/21/2013 02:33 PM
Zinc	37	1.0		mg/Kg	1	9/21/2013 02:33 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:40:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130917A	QC Batch: 43888	PrepDate:	9/17/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Acenaphthene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Acenaphthylene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Anthracene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Benzo(a)anthracene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Benzo(a)pyrene	ND	50	µg/Kg	10		9/22/2013 10:24 AM
Benzo(b)fluoranthene	ND	50	µg/Kg	10		9/22/2013 10:24 AM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10		9/22/2013 10:24 AM
Benzo(k)fluoranthene	ND	50	µg/Kg	10		9/22/2013 10:24 AM
Chrysene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10		9/22/2013 10:24 AM
Fluoranthene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Fluorene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10		9/22/2013 10:24 AM
Naphthalene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Phenanthrene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Pyrene	ND	5.0	µg/Kg	1		9/17/2013 06:16 PM
Surr: 1,2-Dichlorobenzene-d4	43.0	14-120	%REC	1		9/17/2013 06:16 PM
Surr: 2-Fluorobiphenyl	49.0	28-130	%REC	1		9/17/2013 06:16 PM
Surr: 4-Terphenyl-d14	70.1	19-165	%REC	1		9/17/2013 06:16 PM
Surr: Nitrobenzene-d5	55.1	23-150	%REC	1		9/17/2013 06:16 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B		EPA 8015B				
RunID: GC1_130917A	QC Batch: 43889	PrepDate:	9/17/2013	Analyst:	MDM	
DRO	12	1.0	mg/Kg	1		9/17/2013 07:05 PM
ORO	29	1.0	mg/Kg	1		9/17/2013 07:05 PM
Surr: p-Terphenyl	86.7	59-127	%REC	1		9/17/2013 07:05 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	7.2	5.0	mg/Kg	1		9/18/2013 08:09 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:45:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Benzo(a)pyrene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Benzo(b)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Chrysene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Phenanthrene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Pyrene	ND	5.0	µg/Kg	1	9/17/2013 08:28 PM
Surr: 1,2-Dichlorobenzene-d4	49.0	14-120	%REC	1	9/17/2013 08:28 PM
Surr: 2-Fluorobiphenyl	57.1	28-130	%REC	1	9/17/2013 08:28 PM
Surr: 4-Terphenyl-d14	65.1	19-165	%REC	1	9/17/2013 08:28 PM
Surr: Nitrobenzene-d5	62.1	23-150	%REC	1	9/17/2013 08:28 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 12:07 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:45:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 12:07 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:45:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 12:07 PM
Surr: 1,2-Dichloroethane-d4	91.4	63-139	%REC	1	9/19/2013 12:07 PM
Surr: 4-Bromofluorobenzene	88.7	75-124	%REC	1	9/19/2013 12:07 PM
Surr: Dibromofluoromethane	91.8	70-133	%REC	1	9/19/2013 12:07 PM
Surr: Toluene-d8	88.3	80-123	%REC	1	9/19/2013 12:07 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	7.4	1.0	mg/Kg	1	9/17/2013 04:03 PM
ORO	32	1.0	mg/Kg	1	9/17/2013 04:03 PM
Surr: p-Terphenyl	86.3	59-127	%REC	1	9/17/2013 04:03 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 03:03 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 03:03 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 03:03 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 03:03 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 03:03 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 03:03 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 03:03 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 03:03 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 03:03 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 03:03 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 03:03 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 03:03 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-2
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:45:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/19/2013 03:03 AM
Endrin	ND	2.0	µg/Kg	1		9/19/2013 03:03 AM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/19/2013 03:03 AM
Endrin ketone	ND	2.0	µg/Kg	1		9/19/2013 03:03 AM
gamma-BHC	ND	1.0	µg/Kg	1		9/19/2013 03:03 AM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 03:03 AM
Heptachlor	ND	1.0	µg/Kg	1		9/19/2013 03:03 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/19/2013 03:03 AM
Methoxychlor	ND	8.5	µg/Kg	1		9/19/2013 03:03 AM
Toxaphene	ND	85	µg/Kg	1		9/19/2013 03:03 AM
Surr: Tetrachloro-m-xylene	48.2	28-161	%REC	1		9/19/2013 03:03 AM
Surr: Decachlorobiphenyl	56.9	28-120	%REC	1		9/19/2013 03:03 AM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Aroclor 1016	ND	16	µg/Kg	1		9/18/2013 03:02 AM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 03:02 AM
Aroclor 1232	ND	16	µg/Kg	1		9/18/2013 03:02 AM
Aroclor 1242	ND	16	µg/Kg	1		9/18/2013 03:02 AM
Aroclor 1248	ND	16	µg/Kg	1		9/18/2013 03:02 AM
Aroclor 1254	ND	16	µg/Kg	1		9/18/2013 03:02 AM
Aroclor 1260	ND	16	µg/Kg	1		9/18/2013 03:02 AM
Surr: Decachlorobiphenyl	68.0	40-146	%REC	1		9/18/2013 03:02 AM
Surr: Tetrachloro-m-xylene	61.2	32-109	%REC	1		9/18/2013 03:02 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

EPA 8015B						
RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:		Analyst: PN		
GRO	ND	1.0	mg/Kg	1		9/17/2013 01:07 PM
Surr: Chlorobenzene - d5	110	51-136	%REC	1		9/17/2013 01:07 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst: JT		
Lead	ND	5.0	mg/Kg	1		9/18/2013 08:14 PM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:50:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID:	MS3_130917A	QC Batch:	43888	PrepDate:	9/17/2013	Analyst:	MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Benzo(a)pyrene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Benzo(b)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Chrysene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Fluoranthene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Phenanthrene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Pyrene	ND	5.0	µg/Kg	1	9/17/2013 09:23 PM		
Surr: 1,2-Dichlorobenzene-d4	38.0	14-120	%REC	1	9/17/2013 09:23 PM		
Surr: 2-Fluorobiphenyl	48.0	28-130	%REC	1	9/17/2013 09:23 PM		
Surr: 4-Terphenyl-d14	60.1	19-165	%REC	1	9/17/2013 09:23 PM		
Surr: Nitrobenzene-d5	50.1	23-150	%REC	1	9/17/2013 09:23 PM		

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 02:59 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:50:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 02:59 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H4-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:50:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 02:59 PM
Surr: 1,2-Dichloroethane-d4	91.1	63-139	%REC	1	9/19/2013 02:59 PM
Surr: 4-Bromofluorobenzene	90.3	75-124	%REC	1	9/19/2013 02:59 PM
Surr: Dibromofluoromethane	93.2	70-133	%REC	1	9/19/2013 02:59 PM
Surr: Toluene-d8	95.4	80-123	%REC	1	9/19/2013 02:59 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	5.8	1.0	mg/Kg	1	9/17/2013 05:37 PM
ORO	24	1.0	mg/Kg	1	9/17/2013 05:37 PM
Surr: p-Terphenyl	83.6	59-127	%REC	1	9/17/2013 05:37 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/17/2013 03:56 PM
Surr: Chlorobenzene - d5	106	51-136	%REC	1	9/17/2013 03:56 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130918D	QC Batch: 43902	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	ND	5.0	mg/Kg	1	9/18/2013 08:18 PM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130917A	QC Batch: 43888		PrepDate: 9/17/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Acenaphthene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Acenaphthylene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Anthracene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Benzo(a)anthracene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Benzo(a)pyrene	5.3	5.0	µg/Kg	1		9/17/2013 09:51 PM
Benzo(b)fluoranthene	10	5.0	µg/Kg	1		9/17/2013 09:51 PM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Chrysene	7.4	5.0	µg/Kg	1		9/17/2013 09:51 PM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Fluoranthene	9.7	5.0	µg/Kg	1		9/17/2013 09:51 PM
Fluorene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Naphthalene	ND	5.0	µg/Kg	1		9/17/2013 09:51 PM
Phenanthrene	5.3	5.0	µg/Kg	1		9/17/2013 09:51 PM
Pyrene	11	5.0	µg/Kg	1		9/17/2013 09:51 PM
Surr: 1,2-Dichlorobenzene-d4	36.0	14-120	%REC	1		9/17/2013 09:51 PM
Surr: 2-Fluorobiphenyl	47.0	28-130	%REC	1		9/17/2013 09:51 PM
Surr: 4-Terphenyl-d14	59.1	19-165	%REC	1		9/17/2013 09:51 PM
Surr: Nitrobenzene-d5	50.1	23-150	%REC	1		9/17/2013 09:51 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B			EPA 8015B			
RunID: GC3_130917A	QC Batch: 43889		PrepDate: 9/17/2013	Analyst: MDM		
DRO	14	1.0	mg/Kg	1		9/17/2013 06:04 PM
ORO	25	1.0	mg/Kg	1		9/17/2013 06:04 PM
Surr: p-Terphenyl	81.5	59-127	%REC	1		9/17/2013 06:04 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471			EPA 7471A			
RunID: AA1_130918E	QC Batch: 43890		PrepDate: 9/17/2013	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1		9/18/2013

**ICP METALS**

EPA 3050B			EPA 6010B			
RunID: ICP2_130921A	QC Batch: 43901		PrepDate: 9/18/2013	Analyst: JT		

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:30:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:40 PM
Arsenic	3.7	1.0		mg/Kg	1	9/21/2013 02:40 PM
Barium	31	1.0		mg/Kg	1	9/21/2013 02:40 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:40 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:40 PM
Chromium	42	1.0		mg/Kg	1	9/21/2013 02:40 PM
Cobalt	11	1.0		mg/Kg	1	9/21/2013 02:40 PM
Copper	20	2.0		mg/Kg	1	9/21/2013 02:40 PM
Lead	4.7	1.0		mg/Kg	1	9/21/2013 02:40 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:40 PM
Nickel	34	1.0		mg/Kg	1	9/21/2013 02:40 PM
Selenium	1.1	1.0		mg/Kg	1	9/21/2013 02:40 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:40 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:40 PM
Vanadium	37	1.0		mg/Kg	1	9/21/2013 02:40 PM
Zinc	33	1.0		mg/Kg	1	9/21/2013 02:40 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:35:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130917A	QC Batch: 43888	PrepDate:	9/17/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Benzo(a)anthracene	11	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Benzo(a)pyrene	15	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Benzo(b)fluoranthene	19	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Benzo(k)fluoranthene	5.0	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Chrysene	13	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Fluoranthene	19	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Phenanthrene	6.7	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Pyrene	26	5.0	µg/Kg	1	9/17/2013 10:19 PM	
Surr: 1,2-Dichlorobenzene-d4	37.0	14-120	%REC	1	9/17/2013 10:19 PM	
Surr: 2-Fluorobiphenyl	52.1	28-130	%REC	1	9/17/2013 10:19 PM	
Surr: 4-Terphenyl-d14	67.1	19-165	%REC	1	9/17/2013 10:19 PM	
Surr: Nitrobenzene-d5	48.0	23-150	%REC	1	9/17/2013 10:19 PM	

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

EPA 8260B					
RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: QBM		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 03:42 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:35:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 03:42 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:35:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 03:42 PM
Surr: 1,2-Dichloroethane-d4	95.6	63-139	%REC	1	9/19/2013 03:42 PM
Surr: 4-Bromofluorobenzene	92.9	75-124	%REC	1	9/19/2013 03:42 PM
Surr: Dibromofluoromethane	94.0	70-133	%REC	1	9/19/2013 03:42 PM
Surr: Toluene-d8	98.3	80-123	%REC	1	9/19/2013 03:42 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	7.6	1.0	mg/Kg	1	9/17/2013 06:30 PM
ORO	22	1.0	mg/Kg	1	9/17/2013 06:30 PM
Surr: p-Terphenyl	76.9	59-127	%REC	1	9/17/2013 06:30 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/17/2013 04:24 PM
Surr: Chlorobenzene - d5	102	51-136	%REC	1	9/17/2013 04:24 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130918D	QC Batch: 43902	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	ND	5.0	mg/Kg	1	9/18/2013 08:22 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:40:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HEXAVALENT CHROMIUM**

**EPA 3060A**

**EPA 7196A**

RunID: WETCHEM_130920C	QC Batch: 43908			PrepDate: 9/19/2013	Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0	mg/Kg	1	9/20/2013

**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888			PrepDate: 9/17/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Anthracene	19	5.0	µg/Kg	1	9/17/2013 10:47 PM
Benzo(a)anthracene	18	5.0	µg/Kg	1	9/17/2013 10:47 PM
Benzo(a)pyrene	17	5.0	µg/Kg	1	9/17/2013 10:47 PM
Benzo(b)fluoranthene	20	5.0	µg/Kg	1	9/17/2013 10:47 PM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Benzo(k)fluoranthene	6.7	5.0	µg/Kg	1	9/17/2013 10:47 PM
Chrysene	22	5.0	µg/Kg	1	9/17/2013 10:47 PM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Fluoranthene	33	5.0	µg/Kg	1	9/17/2013 10:47 PM
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 10:47 PM
Phenanthrene	36	5.0	µg/Kg	1	9/17/2013 10:47 PM
Pyrene	42	5.0	µg/Kg	1	9/17/2013 10:47 PM
Surr: 1,2-Dichlorobenzene-d4	38.0	14-120	%REC	1	9/17/2013 10:47 PM
Surr: 2-Fluorobiphenyl	46.0	28-130	%REC	1	9/17/2013 10:47 PM
Surr: 4-Terphenyl-d14	63.1	19-165	%REC	1	9/17/2013 10:47 PM
Surr: Nitrobenzene-d5	51.1	23-150	%REC	1	9/17/2013 10:47 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001			PrepDate:	Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:40:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 04:03 PM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 04:03 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:40:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
MTBE	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 04:03 PM
Surr: 1,2-Dichloroethane-d4	95.5	63-139	%REC	1	9/19/2013 04:03 PM
Surr: 4-Bromofluorobenzene	92.2	75-124	%REC	1	9/19/2013 04:03 PM
Surr: Dibromofluoromethane	93.2	70-133	%REC	1	9/19/2013 04:03 PM
Surr: Toluene-d8	98.2	80-123	%REC	1	9/19/2013 04:03 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	23	1.0	mg/Kg	1	9/17/2013 06:56 PM
ORO	45	1.0	mg/Kg	1	9/17/2013 06:56 PM
Surr: p-Terphenyl	90.4	59-127	%REC	1	9/17/2013 06:56 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 03:29 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 03:29 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 03:29 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 03:29 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 03:29 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 03:29 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 03:29 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:40:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887			PrepDate: 9/17/2013	Analyst: MDM	
Chlordane	ND	8.5		µg/Kg	1	9/19/2013 03:29 AM
delta-BHC	ND	1.0		µg/Kg	1	9/19/2013 03:29 AM
Dieldrin	ND	2.0		µg/Kg	1	9/19/2013 03:29 AM
Endosulfan I	ND	1.0		µg/Kg	1	9/19/2013 03:29 AM
Endosulfan II	ND	2.0		µg/Kg	1	9/19/2013 03:29 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/19/2013 03:29 AM
Endrin	ND	2.0		µg/Kg	1	9/19/2013 03:29 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/19/2013 03:29 AM
Endrin ketone	ND	2.0		µg/Kg	1	9/19/2013 03:29 AM
gamma-BHC	ND	1.0		µg/Kg	1	9/19/2013 03:29 AM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/19/2013 03:29 AM
Heptachlor	ND	1.0		µg/Kg	1	9/19/2013 03:29 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/19/2013 03:29 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/19/2013 03:29 AM
Toxaphene	ND	85		µg/Kg	1	9/19/2013 03:29 AM
Surr: Tetrachloro-m-xylene	47.2	28-161		%REC	1	9/19/2013 03:29 AM
Surr: Decachlorobiphenyl	58.1	28-120		%REC	1	9/19/2013 03:29 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130917B	QC Batch: 43887			PrepDate: 9/17/2013	Analyst: MDM	
Aroclor 1016	ND	16		µg/Kg	1	9/18/2013 03:31 AM
Aroclor 1221	ND	33		µg/Kg	1	9/18/2013 03:31 AM
Aroclor 1232	ND	16		µg/Kg	1	9/18/2013 03:31 AM
Aroclor 1242	ND	16		µg/Kg	1	9/18/2013 03:31 AM
Aroclor 1248	ND	16		µg/Kg	1	9/18/2013 03:31 AM
Aroclor 1254	ND	16		µg/Kg	1	9/18/2013 03:31 AM
Aroclor 1260	ND	16		µg/Kg	1	9/18/2013 03:31 AM
Surr: Decachlorobiphenyl	66.9	40-146		%REC	1	9/18/2013 03:31 AM
Surr: Tetrachloro-m-xylene	56.4	32-109		%REC	1	9/18/2013 03:31 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130917A	QC Batch: E13VS095			PrepDate:	Analyst: PN	
GRO	ND	1.0		mg/Kg	1	9/17/2013 04:52 PM
Surr: Chlorobenzene - d5	106	51-136		%REC	1	9/17/2013 04:52 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G1-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:40:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890				PrepDate: 9/17/2013	Analyst: JT
Mercury	ND	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43901				PrepDate: 9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:47 PM
Arsenic	3.5	1.0		mg/Kg	1	9/21/2013 02:47 PM
Barium	23	1.0		mg/Kg	1	9/21/2013 02:47 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:47 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:47 PM
Chromium	34	1.0		mg/Kg	1	9/21/2013 02:47 PM
Cobalt	8.0	1.0		mg/Kg	1	9/21/2013 02:47 PM
Copper	11	2.0		mg/Kg	1	9/21/2013 02:47 PM
Lead	5.5	1.0		mg/Kg	1	9/21/2013 02:47 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:47 PM
Nickel	30	1.0		mg/Kg	1	9/21/2013 02:47 PM
Selenium	ND	1.0		mg/Kg	1	9/21/2013 02:47 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:47 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:47 PM
Vanadium	31	1.0		mg/Kg	1	9/21/2013 02:47 PM
Zinc	23	1.0		mg/Kg	1	9/21/2013 02:47 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G2-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:45:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130917A	QC Batch: 43888		PrepDate: 9/17/2013			Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Acenaphthene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Acenaphthylene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Anthracene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Benzo(a)anthracene	5.3	5.0	µg/Kg	1		9/17/2013 11:15 PM
Benzo(a)pyrene	7.7	5.0	µg/Kg	1		9/17/2013 11:15 PM
Benzo(b)fluoranthene	10	5.0	µg/Kg	1		9/17/2013 11:15 PM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Chrysene	6.7	5.0	µg/Kg	1		9/17/2013 11:15 PM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Fluoranthene	11	5.0	µg/Kg	1		9/17/2013 11:15 PM
Fluorene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Naphthalene	ND	5.0	µg/Kg	1		9/17/2013 11:15 PM
Phenanthrene	5.3	5.0	µg/Kg	1		9/17/2013 11:15 PM
Pyrene	14	5.0	µg/Kg	1		9/17/2013 11:15 PM
Surr: 1,2-Dichlorobenzene-d4	49.0	14-120	%REC	1		9/17/2013 11:15 PM
Surr: 2-Fluorobiphenyl	54.1	28-130	%REC	1		9/17/2013 11:15 PM
Surr: 4-Terphenyl-d14	67.1	19-165	%REC	1		9/17/2013 11:15 PM
Surr: Nitrobenzene-d5	63.1	23-150	%REC	1		9/17/2013 11:15 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B			EPA 8015B			
RunID: GC3_130917A	QC Batch: 43889		PrepDate: 9/17/2013			Analyst: MDM
DRO	5.2	1.0	mg/Kg	1		9/17/2013 07:22 PM
ORO	16	1.0	mg/Kg	1		9/17/2013 07:22 PM
Surr: p-Terphenyl	73.4	59-127	%REC	1		9/17/2013 07:22 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B			EPA 8081A			
RunID: GC7_130919A	QC Batch: 43887		PrepDate: 9/17/2013			Analyst: MDM
4,4'-DDD	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
4,4'-DDE	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
4,4'-DDT	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
Aldrin	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
alpha-BHC	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G2-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:45:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
alpha-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
beta-BHC	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
Chlordane	ND	8.5	µg/Kg	1		9/19/2013 03:56 AM
delta-BHC	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
Dieldrin	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
Endosulfan I	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
Endosulfan II	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
Endrin	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
Endrin ketone	ND	2.0	µg/Kg	1		9/19/2013 03:56 AM
gamma-BHC	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
Heptachlor	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/19/2013 03:56 AM
Methoxychlor	ND	8.5	µg/Kg	1		9/19/2013 03:56 AM
Toxaphene	ND	85	µg/Kg	1		9/19/2013 03:56 AM
Surr: Tetrachloro-m-xylene	45.5	28-161	%REC	1		9/19/2013 03:56 AM
Surr: Decachlorobiphenyl	55.7	28-120	%REC	1		9/19/2013 03:56 AM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	17	µg/Kg	1		9/18/2013 04:01 AM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 04:01 AM
Aroclor 1232	ND	17	µg/Kg	1		9/18/2013 04:01 AM
Aroclor 1242	ND	17	µg/Kg	1		9/18/2013 04:01 AM
Aroclor 1248	ND	17	µg/Kg	1		9/18/2013 04:01 AM
Aroclor 1254	ND	17	µg/Kg	1		9/18/2013 04:01 AM
Aroclor 1260	ND	17	µg/Kg	1		9/18/2013 04:01 AM
Surr: Decachlorobiphenyl	67.0	40-146	%REC	1		9/18/2013 04:01 AM
Surr: Tetrachloro-m-xylene	55.1	32-109	%REC	1		9/18/2013 04:01 AM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	ND	5.0	mg/Kg	1		9/18/2013 08:27 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G2-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:50:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-017		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130917A	QC Batch: 43888	PrepDate:	9/17/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Anthracene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Benzo(a)anthracene	8.7	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Benzo(a)pyrene	13	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Benzo(b)fluoranthene	16	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Benzo(k)fluoranthene	5.7	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Chrysene	11	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Fluoranthene	19	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Fluorene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Phenanthrene	5.7	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Pyrene	25	5.0	µg/Kg	1	9/17/2013 11:42 PM	
Surr: 1,2-Dichlorobenzene-d4	33.0	14-120	%REC	1	9/17/2013 11:42 PM	
Surr: 2-Fluorobiphenyl	43.0	28-130	%REC	1	9/17/2013 11:42 PM	
Surr: 4-Terphenyl-d14	66.1	19-165	%REC	1	9/17/2013 11:42 PM	
Surr: Nitrobenzene-d5	43.0	23-150	%REC	1	9/17/2013 11:42 PM	

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B		EPA 8015B				
RunID: GC3_130917A	QC Batch: 43889	PrepDate:	9/17/2013	Analyst:	MDM	
DRO	7.4	1.0	mg/Kg	1	9/17/2013 07:48 PM	
ORO	25	1.0	mg/Kg	1	9/17/2013 07:48 PM	
Surr: p-Terphenyl	81.3	59-127	%REC	1	9/17/2013 07:48 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	ND	5.0	mg/Kg	1	9/18/2013 08:31 PM	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G2-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 11:55:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-018		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130917A	QC Batch: 43888	PrepDate:	9/17/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Acenaphthene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Acenaphthylene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Anthracene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Benzo(a)anthracene	13	5.0	µg/Kg	1		9/18/2013 12:10 AM
Benzo(a)pyrene	19	5.0	µg/Kg	1		9/18/2013 12:10 AM
Benzo(b)fluoranthene	22	5.0	µg/Kg	1		9/18/2013 12:10 AM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Benzo(k)fluoranthene	7.0	5.0	µg/Kg	1		9/18/2013 12:10 AM
Chrysene	13	5.0	µg/Kg	1		9/18/2013 12:10 AM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Fluoranthene	28	5.0	µg/Kg	1		9/18/2013 12:10 AM
Fluorene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Naphthalene	ND	5.0	µg/Kg	1		9/18/2013 12:10 AM
Phenanthrene	6.0	5.0	µg/Kg	1		9/18/2013 12:10 AM
Pyrene	36	5.0	µg/Kg	1		9/18/2013 12:10 AM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120	%REC	1		9/18/2013 12:10 AM
Surr: 2-Fluorobiphenyl	54.1	28-130	%REC	1		9/18/2013 12:10 AM
Surr: 4-Terphenyl-d14	64.1	19-165	%REC	1		9/18/2013 12:10 AM
Surr: Nitrobenzene-d5	60.1	23-150	%REC	1		9/18/2013 12:10 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B		EPA 8015B				
RunID: GC3_130917A	QC Batch: 43889	PrepDate:	9/17/2013	Analyst:	MDM	
DRO	5.3	1.0	mg/Kg	1		9/17/2013 08:15 PM
ORO	16	1.0	mg/Kg	1		9/17/2013 08:15 PM
Surr: p-Terphenyl	82.7	59-127	%REC	1		9/17/2013 08:15 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	ND	5.0	mg/Kg	1		9/18/2013 08:35 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:10:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130917A	QC Batch: 43888		PrepDate: 9/17/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Acenaphthene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Acenaphthylene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Anthracene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Benzo(a)anthracene	5.0	5.0	µg/Kg	1		9/18/2013 12:38 AM
Benzo(a)pyrene	6.3	5.0	µg/Kg	1		9/18/2013 12:38 AM
Benzo(b)fluoranthene	8.3	5.0	µg/Kg	1		9/18/2013 12:38 AM
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Chrysene	6.7	5.0	µg/Kg	1		9/18/2013 12:38 AM
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Fluoranthene	11	5.0	µg/Kg	1		9/18/2013 12:38 AM
Fluorene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Naphthalene	ND	5.0	µg/Kg	1		9/18/2013 12:38 AM
Phenanthrene	7.0	5.0	µg/Kg	1		9/18/2013 12:38 AM
Pyrene	13	5.0	µg/Kg	1		9/18/2013 12:38 AM
Surr: 1,2-Dichlorobenzene-d4	58.1	14-120	%REC	1		9/18/2013 12:38 AM
Surr: 2-Fluorobiphenyl	65.1	28-130	%REC	1		9/18/2013 12:38 AM
Surr: 4-Terphenyl-d14	73.1	19-165	%REC	1		9/18/2013 12:38 AM
Surr: Nitrobenzene-d5	72.1	23-150	%REC	1		9/18/2013 12:38 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B			EPA 8015B			
RunID: GC3_130917A	QC Batch: 43889		PrepDate: 9/17/2013	Analyst: MDM		
DRO	5.1	1.0	mg/Kg	1		9/17/2013 08:41 PM
ORO	16	1.0	mg/Kg	1		9/17/2013 08:41 PM
Surr: p-Terphenyl	81.3	59-127	%REC	1		9/17/2013 08:41 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471			EPA 7471A			
RunID: AA1_130918E	QC Batch: 43890		PrepDate: 9/17/2013	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1		9/18/2013

**ICP METALS**

EPA 3050B			EPA 6010B			
RunID: ICP2_130921A	QC Batch: 43901		PrepDate: 9/18/2013	Analyst: JT		

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:10:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 02:55 PM
Arsenic	2.5	1.0		mg/Kg	1	9/21/2013 02:55 PM
Barium	40	1.0		mg/Kg	1	9/21/2013 02:55 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 02:55 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 02:55 PM
Chromium	42	1.0		mg/Kg	1	9/21/2013 02:55 PM
Cobalt	10	1.0		mg/Kg	1	9/21/2013 02:55 PM
Copper	24	2.0		mg/Kg	1	9/21/2013 02:55 PM
Lead	2.5	1.0		mg/Kg	1	9/21/2013 02:55 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 02:55 PM
Nickel	28	1.0		mg/Kg	1	9/21/2013 02:55 PM
Selenium	1.2	1.0		mg/Kg	1	9/21/2013 02:55 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 02:55 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 02:55 PM
Vanadium	40	1.0		mg/Kg	1	9/21/2013 02:55 PM
Zinc	25	1.0		mg/Kg	1	9/21/2013 02:55 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:15:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130917A	QC Batch: 43888			PrepDate: 9/17/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Acenaphthene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Acenaphthylene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Anthracene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Benzo(a)anthracene	6.4	5.0		µg/Kg	1 9/18/2013 01:06 AM
Benzo(a)pyrene	9.0	5.0		µg/Kg	1 9/18/2013 01:06 AM
Benzo(b)fluoranthene	12	5.0		µg/Kg	1 9/18/2013 01:06 AM
Benzo(g,h,i)perylene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Benzo(k)fluoranthene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Chrysene	6.7	5.0		µg/Kg	1 9/18/2013 01:06 AM
Dibenz(a,h)anthracene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Fluoranthene	19	5.0		µg/Kg	1 9/18/2013 01:06 AM
Fluorene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Naphthalene	ND	5.0		µg/Kg	1 9/18/2013 01:06 AM
Phenanthrene	11	5.0		µg/Kg	1 9/18/2013 01:06 AM
Pyrene	20	5.0		µg/Kg	1 9/18/2013 01:06 AM
Surr: 1,2-Dichlorobenzene-d4	51.1	14-120		%REC	1 9/18/2013 01:06 AM
Surr: 2-Fluorobiphenyl	59.1	28-130		%REC	1 9/18/2013 01:06 AM
Surr: 4-Terphenyl-d14	74.1	19-165		%REC	1 9/18/2013 01:06 AM
Surr: Nitrobenzene-d5	66.1	23-150		%REC	1 9/18/2013 01:06 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001			PrepDate:	Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1 9/19/2013 04:24 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1 9/19/2013 04:24 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:15:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 04:24 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:15:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 04:24 PM
Surr: 1,2-Dichloroethane-d4	103	63-139	%REC	1	9/19/2013 04:24 PM
Surr: 4-Bromofluorobenzene	89.0	75-124	%REC	1	9/19/2013 04:24 PM
Surr: Dibromofluoromethane	97.3	70-133	%REC	1	9/19/2013 04:24 PM
Surr: Toluene-d8	93.3	80-123	%REC	1	9/19/2013 04:24 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130917A	QC Batch: 43889	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
DRO	34	1.0	mg/Kg	1	9/17/2013 09:07 PM
ORO	72	1.0	mg/Kg	1	9/17/2013 09:07 PM
Surr: p-Terphenyl	91.1	59-127	%REC	1	9/17/2013 09:07 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 04:22 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:15:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM	
Endrin	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 04:22 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 04:22 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 04:22 AM	
Toxaphene	ND	85	µg/Kg	1	9/19/2013 04:22 AM	
Surr: Tetrachloro-m-xylene	54.6	28-161	%REC	1	9/19/2013 04:22 AM	
Surr: Decachlorobiphenyl	60.8	28-120	%REC	1	9/19/2013 04:22 AM	

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	17	µg/Kg	1	9/18/2013 04:30 AM	
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 04:30 AM	
Aroclor 1232	ND	17	µg/Kg	1	9/18/2013 04:30 AM	
Aroclor 1242	ND	17	µg/Kg	1	9/18/2013 04:30 AM	
Aroclor 1248	ND	17	µg/Kg	1	9/18/2013 04:30 AM	
Aroclor 1254	ND	17	µg/Kg	1	9/18/2013 04:30 AM	
Aroclor 1260	ND	17	µg/Kg	1	9/18/2013 04:30 AM	
Surr: Decachlorobiphenyl	73.5	40-146	%REC	1	9/18/2013 04:30 AM	
Surr: Tetrachloro-m-xylene	68.5	32-109	%REC	1	9/18/2013 04:30 AM	

**GASOLINE RANGE ORGANICS BY GC/FID**

EPA 8015B						
RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:		Analyst:	PN	
GRO	ND	1.0	mg/Kg	1	9/18/2013 10:37 AM	
Surr: Chlorobenzene - d5	104	51-136	%REC	1	9/18/2013 10:37 AM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43890	PrepDate:	9/17/2013	Analyst:	JT	
Mercury	ND	0.10	mg/Kg	1	9/18/2013	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:15:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 03:21 PM
Arsenic	1.7	1.0		mg/Kg	1	9/21/2013 03:21 PM
Barium	63	1.0		mg/Kg	1	9/21/2013 03:21 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 03:21 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 03:21 PM
Chromium	52	1.0		mg/Kg	1	9/21/2013 03:21 PM
Cobalt	15	1.0		mg/Kg	1	9/21/2013 03:21 PM
Copper	42	2.0		mg/Kg	1	9/21/2013 03:21 PM
Lead	5.0	1.0		mg/Kg	1	9/21/2013 03:21 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 03:21 PM
Nickel	34	1.0		mg/Kg	1	9/21/2013 03:21 PM
Selenium	1.9	1.0		mg/Kg	1	9/21/2013 03:21 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 03:21 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 03:21 PM
Vanadium	54	1.0		mg/Kg	1	9/21/2013 03:21 PM
Zinc	33	1.0		mg/Kg	1	9/21/2013 03:21 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:20:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-021		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130918A	QC Batch:	43898	PrepDate:	9/18/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene		ND	5.0	µg/Kg	1	9/18/2013 03:06 PM
Acenaphthene		ND	5.0	µg/Kg	1	9/18/2013 03:06 PM
Acenaphthylene		ND	5.0	µg/Kg	1	9/18/2013 03:06 PM
Anthracene		ND	5.0	µg/Kg	1	9/18/2013 03:06 PM
Benzo(a)anthracene		5.3	5.0	µg/Kg	1	9/18/2013 03:06 PM
Benzo(a)pyrene		ND	50	µg/Kg	10	9/22/2013 12:21 AM
Benzo(b)fluoranthene		ND	50	µg/Kg	10	9/22/2013 12:21 AM
Benzo(g,h,i)perylene		ND	50	µg/Kg	10	9/22/2013 12:21 AM
Benzo(k)fluoranthene		ND	50	µg/Kg	10	9/22/2013 12:21 AM
Chrysene		19	5.0	µg/Kg	1	9/18/2013 03:06 PM
Dibenz(a,h)anthracene		ND	50	µg/Kg	10	9/22/2013 12:21 AM
Fluoranthene		15	5.0	µg/Kg	1	9/18/2013 03:06 PM
Fluorene		ND	5.0	µg/Kg	1	9/18/2013 03:06 PM
Indeno(1,2,3-cd)pyrene		ND	50	µg/Kg	10	9/22/2013 12:21 AM
Naphthalene		ND	5.0	µg/Kg	1	9/18/2013 03:06 PM
Phenanthrene		7.7	5.0	µg/Kg	1	9/18/2013 03:06 PM
Pyrene		22	5.0	µg/Kg	1	9/18/2013 03:06 PM
Surr: 1,2-Dichlorobenzene-d4		48.0	14-120	%REC	1	9/18/2013 03:06 PM
Surr: 2-Fluorobiphenyl		59.1	28-130	%REC	1	9/18/2013 03:06 PM
Surr: 4-Terphenyl-d14		91.1	19-165	%REC	1	9/18/2013 03:06 PM
Surr: Nitrobenzene-d5		62.1	23-150	%REC	1	9/18/2013 03:06 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

EPA 8260B						
RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst: <b>QBM</b>	
1,1,1,2-Tetrachloroethane		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,1,1-Trichloroethane		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,1,2,2-Tetrachloroethane		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,1,2-Trichloroethane		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,1-Dichloroethane		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,1-Dichloroethene		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,1-Dichloropropene		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,2,3-Trichlorobenzene		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,2,3-Trichloropropane		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,2,4-Trichlorobenzene		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,2,4-Trimethylbenzene		ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
1,2-Dibromo-3-chloropropane		ND	10	µg/Kg	1	9/19/2013 06:38 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:20:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-021		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 06:38 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:20:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-021		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 06:38 PM
Surr: 1,2-Dichloroethane-d4	94.3	63-139	%REC	1	9/19/2013 06:38 PM
Surr: 4-Bromofluorobenzene	83.1	75-124	%REC	1	9/19/2013 06:38 PM
Surr: Dibromofluoromethane	89.1	70-133	%REC	1	9/19/2013 06:38 PM
Surr: Toluene-d8	85.7	80-123	%REC	1	9/19/2013 06:38 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130918A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	9.8	1.0	mg/Kg	1	9/18/2013 03:38 PM
ORO	24	1.0	mg/Kg	1	9/18/2013 03:38 PM
Surr: p-Terphenyl	66.0	59-127	%REC	1	9/18/2013 03:38 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 11:35 AM
Surr: Chlorobenzene - d5	106	51-136	%REC	1	9/18/2013 11:35 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130918D	QC Batch: 43902	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	ND	5.0	mg/Kg	1	9/18/2013 08:40 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G4-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:45:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-022		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 04:58 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 04:58 PM	
Acenaphthylene	23	5.0	µg/Kg	1	9/18/2013 04:58 PM	
Anthracene	130	5.0	µg/Kg	1	9/18/2013 04:58 PM	
Benzo(a)anthracene	290	50	µg/Kg	10	9/22/2013 12:48 AM	
Benzo(a)pyrene	260	50	µg/Kg	10	9/22/2013 12:48 AM	
Benzo(b)fluoranthene	250	50	µg/Kg	10	9/22/2013 12:48 AM	
Benzo(g,h,i)perylene	130	50	µg/Kg	10	9/22/2013 12:48 AM	
Benzo(k)fluoranthene	110	50	µg/Kg	10	9/22/2013 12:48 AM	
Chrysene	300	50	µg/Kg	10	9/22/2013 12:48 AM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 12:48 AM	
Fluoranthene	510	50	µg/Kg	10	9/22/2013 12:48 AM	
Fluorene	22	5.0	µg/Kg	1	9/18/2013 04:58 PM	
Indeno(1,2,3-cd)pyrene	110	50	µg/Kg	10	9/22/2013 12:48 AM	
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 04:58 PM	
Phenanthrene	300	50	µg/Kg	10	9/22/2013 12:48 AM	
Pyrene	560	50	µg/Kg	10	9/22/2013 12:48 AM	
Surr: 1,2-Dichlorobenzene-d4	51.1	14-120	%REC	1	9/18/2013 04:58 PM	
Surr: 2-Fluorobiphenyl	69.1	28-130	%REC	1	9/18/2013 04:58 PM	
Surr: 4-Terphenyl-d14	158	19-165	%REC	1	9/18/2013 04:58 PM	
Surr: Nitrobenzene-d5	72.1	23-150	%REC	1	9/18/2013 04:58 PM	

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B		EPA 8015B				
RunID: GC3_130918A	QC Batch: 43899	PrepDate:	9/18/2013	Analyst:	MDM	
DRO	10	1.0	mg/Kg	1	9/18/2013 04:04 PM	
ORO	29	1.0	mg/Kg	1	9/18/2013 04:04 PM	
Surr: p-Terphenyl	83.5	59-127	%REC	1	9/18/2013 04:04 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	5.5	5.0	mg/Kg	1	9/18/2013 09:06 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G4-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:50:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-023		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130918A	QC Batch: 43898		PrepDate: 9/18/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Acenaphthene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Acenaphthylene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Anthracene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Benzo(a)anthracene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Benzo(a)pyrene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Benzo(b)fluoranthene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Benzo(k)fluoranthene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Chrysene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Fluoranthene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Fluorene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10		9/22/2013 11:19 AM
Naphthalene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Phenanthrene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Pyrene	ND	5.0	µg/Kg	1		9/18/2013 05:54 PM
Surr: 1,2-Dichlorobenzene-d4	49.0	14-120	%REC	1		9/18/2013 05:54 PM
Surr: 2-Fluorobiphenyl	66.1	28-130	%REC	1		9/18/2013 05:54 PM
Surr: 4-Terphenyl-d14	80.1	19-165	%REC	10		9/22/2013 11:19 AM
Surr: Nitrobenzene-d5	70.1	23-150	%REC	1		9/18/2013 05:54 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B			EPA 8015B			
RunID: GC3_130918A	QC Batch: 43899		PrepDate: 9/18/2013	Analyst: MDM		
DRO	3.3	1.0	mg/Kg	1		9/18/2013 04:30 PM
ORO	7.0	1.0	mg/Kg	1		9/18/2013 04:30 PM
Surr: p-Terphenyl	86.2	59-127	%REC	1		9/18/2013 04:30 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B			EPA 8081A			
RunID: GC7_130919A	QC Batch: 43887		PrepDate: 9/17/2013	Analyst: MDM		
4,4'-DDD	ND	2.0	µg/Kg	1		9/19/2013 04:48 AM
4,4'-DDE	ND	2.0	µg/Kg	1		9/19/2013 04:48 AM
4,4'-DDT	ND	2.0	µg/Kg	1		9/19/2013 04:48 AM
Aldrin	ND	1.0	µg/Kg	1		9/19/2013 04:48 AM
alpha-BHC	ND	1.0	µg/Kg	1		9/19/2013 04:48 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G4-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:50:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-023		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 04:48 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 04:48 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 04:48 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 04:48 AM
Endrin	ND	2.0	µg/Kg	1	9/19/2013 04:48 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 04:48 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 04:48 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 04:48 AM
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 04:48 AM
Toxaphene	ND	85	µg/Kg	1	9/19/2013 04:48 AM
Surr: Tetrachloro-m-xylene	23.6	28-161	%REC	1	9/19/2013 04:48 AM
Surr: Decachlorobiphenyl	34.1	28-120	%REC	1	9/19/2013 04:48 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130917B	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
Aroclor 1016	ND	16	µg/Kg	1	9/18/2013 05:00 AM
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 05:00 AM
Aroclor 1232	ND	16	µg/Kg	1	9/18/2013 05:00 AM
Aroclor 1242	ND	16	µg/Kg	1	9/18/2013 05:00 AM
Aroclor 1248	ND	16	µg/Kg	1	9/18/2013 05:00 AM
Aroclor 1254	ND	16	µg/Kg	1	9/18/2013 05:00 AM
Aroclor 1260	ND	16	µg/Kg	1	9/18/2013 05:00 AM
Surr: Decachlorobiphenyl	40.7	40-146	%REC	1	9/18/2013 05:00 AM
Surr: Tetrachloro-m-xylene	30.4	32-109	%REC	1	9/18/2013 05:00 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130918D	QC Batch: 43902	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	6.4	5.0	mg/Kg	1	9/18/2013 09:15 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G4-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:55:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-024		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/18/2013 06:22 PM
Acenaphthene	ND	5.0	µg/Kg	1		9/18/2013 06:22 PM
Acenaphthylene	7.7	5.0	µg/Kg	1		9/18/2013 06:22 PM
Anthracene	13	5.0	µg/Kg	1		9/18/2013 06:22 PM
Benzo(a)anthracene	ND	50	µg/Kg	10		9/22/2013 11:47 AM
Benzo(a)pyrene	ND	50	µg/Kg	10		9/22/2013 11:47 AM
Benzo(b)fluoranthene	60	50	µg/Kg	10		9/22/2013 11:47 AM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10		9/22/2013 11:47 AM
Benzo(k)fluoranthene	ND	50	µg/Kg	10		9/22/2013 11:47 AM
Chrysene	60	50	µg/Kg	10		9/22/2013 11:47 AM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10		9/22/2013 11:47 AM
Fluoranthene	58	5.0	µg/Kg	1		9/18/2013 06:22 PM
Fluorene	5.0	5.0	µg/Kg	1		9/18/2013 06:22 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10		9/22/2013 11:47 AM
Naphthalene	ND	5.0	µg/Kg	1		9/18/2013 06:22 PM
Phenanthrene	44	5.0	µg/Kg	1		9/18/2013 06:22 PM
Pyrene	62	5.0	µg/Kg	1		9/18/2013 06:22 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120	%REC	1		9/18/2013 06:22 PM
Surr: 2-Fluorobiphenyl	61.1	28-130	%REC	1		9/18/2013 06:22 PM
Surr: 4-Terphenyl-d14	90.1	19-165	%REC	10		9/22/2013 11:47 AM
Surr: Nitrobenzene-d5	68.1	23-150	%REC	1		9/18/2013 06:22 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

EPA 3550B		EPA 8015B				
RunID: GC3_130918A	QC Batch: 43899	PrepDate:	9/18/2013	Analyst:	MDM	
DRO	31	1.0	mg/Kg	1		9/18/2013 04:56 PM
ORO	82	1.0	mg/Kg	1		9/18/2013 04:56 PM
Surr: p-Terphenyl	91.6	59-127	%REC	1		9/18/2013 04:56 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130918D	QC Batch: 43902	PrepDate:	9/18/2013	Analyst:	JT	
Lead	120	5.0	mg/Kg	1		9/18/2013 09:19 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:05:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-025		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>HEXAVALENT CHROMIUM</b>						
	<b>EPA 3060A</b>			<b>EPA 7196A</b>		
RunID: WETCHEM_130920C	QC Batch: 43908			PrepDate: 9/19/2013		Analyst: QBM
Chromium, Hexavalent	ND	1.0		mg/Kg	1	9/20/2013
<b>SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM</b>						
	<b>EPA 3550B</b>			<b>EPA 8270CSIM</b>		
RunID: MS3_130918A	QC Batch: 43898			PrepDate: 9/18/2013		Analyst: MDM
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/18/2013 06:50 PM
Acenaphthene	8.7	5.0		µg/Kg	1	9/18/2013 06:50 PM
Acenaphthylene	8.4	5.0		µg/Kg	1	9/18/2013 06:50 PM
Anthracene	19	5.0		µg/Kg	1	9/18/2013 06:50 PM
Benzo(a)anthracene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Benzo(a)pyrene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Benzo(b)fluoranthene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Benzo(g,h,i)perylene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Benzo(k)fluoranthene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Chrysene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Fluoranthene	86	5.0		µg/Kg	1	9/18/2013 06:50 PM
Fluorene	6.4	5.0		µg/Kg	1	9/18/2013 06:50 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/Kg	10	9/22/2013 12:15 PM
Naphthalene	ND	5.0		µg/Kg	1	9/18/2013 06:50 PM
Phenanthrene	77	5.0		µg/Kg	1	9/18/2013 06:50 PM
Pyrene	97	5.0		µg/Kg	1	9/18/2013 06:50 PM
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120		%REC	1	9/18/2013 06:50 PM
Surr: 2-Fluorobiphenyl	66.1	28-130		%REC	1	9/18/2013 06:50 PM
Surr: 4-Terphenyl-d14	80.1	19-165		%REC	10	9/22/2013 12:15 PM
Surr: Nitrobenzene-d5	70.1	23-150		%REC	1	9/18/2013 06:50 PM
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3550B</b>			<b>EPA 8015B</b>		
RunID: GC3_130918A	QC Batch: 43899			PrepDate: 9/18/2013		Analyst: MDM
DRO	13	1.0		mg/Kg	1	9/18/2013 05:48 PM
ORO	33	1.0		mg/Kg	1	9/18/2013 05:48 PM
Surr: p-Terphenyl	88.6	59-127		%REC	1	9/18/2013 05:48 PM
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>			<b>EPA 6010B</b>		
RunID: ICP2_130918D	QC Batch: 43902			PrepDate: 9/18/2013		Analyst: JT

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-0
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:05:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-025		

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130918D	QC Batch: 43902			PrepDate: 9/18/2013		Analyst: JT
Lead	5.1	5.0		mg/Kg	1	9/18/2013 09:24 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:45:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130918A	QC Batch:	43898	PrepDate:	9/18/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Anthracene	8.3	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Benzo(a)anthracene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Benzo(a)pyrene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Chrysene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Fluoranthene	30	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Fluorene	ND	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/22/2013 12:43 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Phenanthrene	14	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Pyrene	33	5.0	µg/Kg	1	9/18/2013 07:18 PM	
Surr: 1,2-Dichlorobenzene-d4	44.0	14-120	%REC	1	9/18/2013 07:18 PM	
Surr: 2-Fluorobiphenyl	56.1	28-130	%REC	1	9/18/2013 07:18 PM	
Surr: 4-Terphenyl-d14	90.1	19-165	%REC	10	9/22/2013 12:43 PM	
Surr: Nitrobenzene-d5	58.1	23-150	%REC	1	9/18/2013 07:18 PM	

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

EPA 8260B						
RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:		Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 06:59 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:45:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 06:59 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:45:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 06:59 PM
Surr: 1,2-Dichloroethane-d4	89.9	63-139	%REC	1	9/19/2013 06:59 PM
Surr: 4-Bromofluorobenzene	93.1	75-124	%REC	1	9/19/2013 06:59 PM
Surr: Dibromofluoromethane	90.1	70-133	%REC	1	9/19/2013 06:59 PM
Surr: Toluene-d8	96.8	80-123	%REC	1	9/19/2013 06:59 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130918A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	50	1.0	mg/Kg	1	9/18/2013 06:14 PM
ORO	94	1.0	mg/Kg	1	9/18/2013 06:14 PM
Surr: p-Terphenyl	82.9	59-127	%REC	1	9/18/2013 06:14 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 05:40 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 05:40 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 05:40 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 05:40 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 05:40 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 05:40 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 05:40 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 05:40 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 05:40 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 05:40 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 05:40 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 05:40 AM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:45:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/19/2013 05:40 AM
Endrin	ND	2.0	µg/Kg	1		9/19/2013 05:40 AM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/19/2013 05:40 AM
Endrin ketone	ND	2.0	µg/Kg	1		9/19/2013 05:40 AM
gamma-BHC	ND	1.0	µg/Kg	1		9/19/2013 05:40 AM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 05:40 AM
Heptachlor	ND	1.0	µg/Kg	1		9/19/2013 05:40 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/19/2013 05:40 AM
Methoxychlor	ND	8.5	µg/Kg	1		9/19/2013 05:40 AM
Toxaphene	ND	85	µg/Kg	1		9/19/2013 05:40 AM
Surr: Tetrachloro-m-xylene	56.4	28-161	%REC	1		9/19/2013 05:40 AM
Surr: Decachlorobiphenyl	58.5	28-120	%REC	1		9/19/2013 05:40 AM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	17	µg/Kg	1		9/18/2013 07:52 AM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 07:52 AM
Aroclor 1232	ND	17	µg/Kg	1		9/18/2013 07:52 AM
Aroclor 1242	ND	17	µg/Kg	1		9/18/2013 07:52 AM
Aroclor 1248	ND	17	µg/Kg	1		9/18/2013 07:52 AM
Aroclor 1254	ND	17	µg/Kg	1		9/18/2013 07:52 AM
Aroclor 1260	ND	17	µg/Kg	1		9/18/2013 07:52 AM
Surr: Decachlorobiphenyl	71.1	40-146	%REC	1		9/18/2013 07:52 AM
Surr: Tetrachloro-m-xylene	68.3	32-109	%REC	1		9/18/2013 07:52 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

EPA 8015B						
RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:		Analyst:	PN	
GRO	ND	1.0	mg/Kg	1		9/18/2013 12:03 PM
Surr: Chlorobenzene - d5	106	51-136	%REC	1		9/18/2013 12:03 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43890	PrepDate:	9/17/2013	Analyst:	JT	
Mercury	0.14	0.10	mg/Kg	1		9/18/2013

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 1:45:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 03:37 PM
Arsenic	2.8	1.0		mg/Kg	1	9/21/2013 03:37 PM
Barium	24	1.0		mg/Kg	1	9/21/2013 03:37 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 03:37 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 03:37 PM
Chromium	32	1.0		mg/Kg	1	9/21/2013 03:37 PM
Cobalt	8.4	1.0		mg/Kg	1	9/21/2013 03:37 PM
Copper	17	2.0		mg/Kg	1	9/21/2013 03:37 PM
Lead	3.3	1.0		mg/Kg	1	9/21/2013 03:37 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 03:37 PM
Nickel	25	1.0		mg/Kg	1	9/21/2013 03:37 PM
Selenium	1.1	1.0		mg/Kg	1	9/21/2013 03:37 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 03:37 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 03:37 PM
Vanadium	40	1.0		mg/Kg	1	9/21/2013 03:37 PM
Zinc	24	1.0		mg/Kg	1	9/21/2013 03:37 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 2:00:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-027		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130918A	QC Batch:	43898	PrepDate:	9/18/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Acenaphthylene	7.3	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Anthracene	19	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Benzo(a)anthracene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Benzo(a)pyrene	60	50	µg/Kg	10	9/22/2013 01:10 PM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Chrysene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Fluoranthene	48	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Fluorene	ND	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/22/2013 01:10 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Phenanthrene	31	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Pyrene	53	5.0	µg/Kg	1	9/18/2013 07:46 PM	
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120	%REC	1	9/18/2013 07:46 PM	
Surr: 2-Fluorobiphenyl	69.1	28-130	%REC	1	9/18/2013 07:46 PM	
Surr: 4-Terphenyl-d14	90.1	19-165	%REC	10	9/22/2013 01:10 PM	
Surr: Nitrobenzene-d5	69.1	23-150	%REC	1	9/18/2013 07:46 PM	

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

EPA 8260B						
RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:		Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 07:21 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 2:00:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-027		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 07:21 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
MTBE	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 2:00:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-027		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 07:21 PM
Surr: 1,2-Dichloroethane-d4	86.1	63-139	%REC	1	9/19/2013 07:21 PM
Surr: 4-Bromofluorobenzene	86.5	75-124	%REC	1	9/19/2013 07:21 PM
Surr: Dibromofluoromethane	85.1	70-133	%REC	1	9/19/2013 07:21 PM
Surr: Toluene-d8	92.0	80-123	%REC	1	9/19/2013 07:21 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130918A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	6.3	1.0	mg/Kg	1	9/18/2013 06:40 PM
ORO	16	1.0	mg/Kg	1	9/18/2013 06:40 PM
Surr: p-Terphenyl	84.8	59-127	%REC	1	9/18/2013 06:40 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 12:32 PM
Surr: Chlorobenzene - d5	105	51-136	%REC	1	9/18/2013 12:32 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	ND	0.099	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43901	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/21/2013 03:45 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 24-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G5-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 2:00:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-027		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43901			PrepDate:	9/18/2013	Analyst: JT
Arsenic	3.6	1.0		mg/Kg	1	9/21/2013 03:45 PM
Barium	22	1.0		mg/Kg	1	9/21/2013 03:45 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 03:45 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 03:45 PM
Chromium	29	1.0		mg/Kg	1	9/21/2013 03:45 PM
Cobalt	7.1	1.0		mg/Kg	1	9/21/2013 03:45 PM
Copper	97	2.0		mg/Kg	1	9/21/2013 03:45 PM
Lead	3.5	1.0		mg/Kg	1	9/21/2013 03:45 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 03:45 PM
Nickel	26	1.0		mg/Kg	1	9/21/2013 03:45 PM
Selenium	ND	1.0		mg/Kg	1	9/21/2013 03:45 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 03:45 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 03:45 PM
Vanadium	27	1.0		mg/Kg	1	9/21/2013 03:45 PM
Zinc	21	1.0		mg/Kg	1	9/21/2013 03:45 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_S**

Sample ID: <b>MB-43901</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43901</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648374</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.365	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.476	1.0									
Cobalt	ND	1.0									
Copper	0.489	2.0									
Lead	ND	1.0									
Molybdenum	0.174	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.743	1.0									

Sample ID: <b>MB2-43901</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43901</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648375</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.356	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.710	1.0									
Cobalt	ND	1.0									

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>MB2-43901</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43901</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648375</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.338	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.680	1.0									

Sample ID: <b>LCS-43901</b>	SampType: <b>LCS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43901</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648376</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.417	2.0	25.00	0	97.7	80	120				
Arsenic	23.431	1.0	25.00	0	93.7	80	120				
Barium	23.330	1.0	25.00	0	93.3	80	120				
Beryllium	22.921	1.0	25.00	0	91.7	80	120				
Cadmium	22.860	1.0	25.00	0	91.4	80	120				
Chromium	24.081	1.0	25.00	0	96.3	80	120				
Cobalt	22.974	1.0	25.00	0	91.9	80	120				
Copper	24.659	2.0	25.00	0	98.6	80	120				
Lead	23.684	1.0	25.00	0	94.7	80	120				
Molybdenum	23.895	1.0	25.00	0	95.6	80	120				
Nickel	22.860	1.0	25.00	0	91.4	80	120				
Selenium	20.805	1.0	25.00	0	83.2	80	120				
Silver	23.967	1.0	25.00	0	95.9	80	120				
Thallium	22.866	1.0	25.00	0	91.5	80	120				
Vanadium	24.332	1.0	25.00	0	97.3	80	120				
Zinc	22.462	1.0	25.00	0	89.8	80	120				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011004-001A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648380</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.688	2.0	25.00	0	30.8	75	125				S
Arsenic	26.047	1.0	25.00	4.304	87.0	75	125				
Barium	136.693	1.0	25.00	115.3	85.7	75	125				
Beryllium	18.120	1.0	25.00	0	72.5	75	125				S
Cadmium	18.465	1.0	25.00	0	73.9	75	125				S
Cobalt	27.192	1.0	25.00	6.350	83.4	75	125				
Copper	37.176	2.0	25.00	12.74	97.7	75	125				
Lead	31.034	1.0	25.00	10.47	82.3	75	125				
Molybdenum	35.948	1.0	25.00	15.91	80.1	75	125				
Nickel	30.280	1.0	25.00	9.476	83.2	75	125				
Selenium	21.435	1.0	25.00	1.926	78.0	75	125				
Silver	17.740	1.0	25.00	0	71.0	75	125				S
Thallium	19.793	1.0	25.00	0	79.2	75	125				
Vanadium	52.489	1.0	25.00	33.78	74.9	75	125				S
Zinc	178.657	1.0	25.00	162.8	63.5	75	125				S

Sample ID: <b>N011004-001A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648381</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.904	2.0	25.11	0	27.5	75	125	7.688	10.7	20	S
Arsenic	26.139	1.0	25.11	4.304	86.9	75	125	26.05	0.353	20	
Barium	130.982	1.0	25.11	115.3	62.6	75	125	136.7	4.27	20	S
Beryllium	17.730	1.0	25.11	0	70.6	75	125	18.12	2.18	20	S
Cadmium	18.208	1.0	25.11	0	72.5	75	125	18.47	1.40	20	S
Cobalt	27.553	1.0	25.11	6.350	84.4	75	125	27.19	1.32	20	
Copper	37.957	2.0	25.11	12.74	100	75	125	37.18	2.08	20	
Lead	61.515	1.0	25.11	10.47	203	75	125	31.03	65.9	20	SR
Molybdenum	37.276	1.0	25.11	15.91	85.1	75	125	35.95	3.63	20	
Nickel	29.740	1.0	25.11	9.476	80.7	75	125	30.28	1.80	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011004-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43901</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648381</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	21.202	1.0	25.11	1.926	76.8	75	125	21.43	1.09	20	
Silver	17.848	1.0	25.11	0	71.1	75	125	17.74	0.606	20	S
Thallium	19.895	1.0	25.11	0	79.2	75	125	19.79	0.511	20	
Vanadium	51.370	1.0	25.11	33.78	70.1	75	125	52.49	2.15	20	S
Zinc	181.777	1.0	25.11	162.8	75.6	75	125	178.7	1.73	20	

Sample ID: <b>N011008-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43901</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648386</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	0.282	1.0						0.4922	0	20	
Barium	25.946	1.0						27.46	5.67	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	25.414	1.0						31.82	22.4	20	R
Cobalt	17.227	1.0						19.02	9.91	20	
Copper	25.442	2.0						31.91	22.5	20	R
Lead	1.314	1.0						1.927	37.8	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	20.524	1.0						24.79	18.8	20	
Selenium	2.508	1.0						2.530	0.902	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	86.757	1.0						98.16	12.3	20	
Zinc	16.111	1.0						20.62	24.6	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011008-019A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648395</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	12.871	2.0	24.91	0	51.7	75	125				S
Arsenic	24.323	1.0	24.91	2.513	87.5	75	125				
Barium	58.745	1.0	24.91	39.80	76.0	75	125				
Beryllium	21.342	1.0	24.91	0	85.7	75	125				
Cadmium	19.132	1.0	24.91	0	76.8	75	125				
Chromium	68.782	1.0	24.91	42.17	107	75	125				
Cobalt	33.417	1.0	24.91	10.38	92.5	75	125				
Copper	50.358	2.0	24.91	23.58	107	75	125				
Lead	22.888	1.0	24.91	2.452	82.0	75	125				
Molybdenum	19.593	1.0	24.91	0	78.6	75	125				
Nickel	52.123	1.0	24.91	28.13	96.3	75	125				
Selenium	20.577	1.0	24.91	1.152	78.0	75	125				
Silver	18.771	1.0	24.91	0	75.3	75	125				
Thallium	18.944	1.0	24.91	0	76.0	75	125				
Vanadium	64.401	1.0	24.91	40.34	96.6	75	125				
Zinc	50.594	1.0	24.91	25.45	101	75	125				

Sample ID: <b>N011008-020A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648399</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	1.794	1.0						1.738	3.22	20	
Barium	62.323	1.0						62.75	0.686	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	60.494	1.0						51.84	15.4	20	
Cobalt	14.749	1.0						15.28	3.54	20	
Copper	40.091	2.0						42.25	5.25	20	
Lead	2.035	1.0						4.974	83.9	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011008-020A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648399</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0						0	0	20	
Nickel	38.664	1.0						33.88	13.2	20	
Selenium	1.489	1.0						1.855	21.9	20	R
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	49.044	1.0						53.70	9.07	20	
Zinc	35.008	1.0						33.33	4.90	20	

Sample ID: <b>N011004-001A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90418</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/24/2013</b>		SeqNo: <b>1649284</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	3794.451	5.0	25.00	3065	2920	75	125				S

Sample ID: <b>N011004-001A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90418</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43901</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/24/2013</b>		SeqNo: <b>1649285</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	3995.078	5.0	25.11	3065	3700	75	125	3794	5.15	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:							
<b>MB-43902</b>	<b>MBLK</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>							
Client ID:	Batch ID:	TestNo:	EPA 3050B	Analysis Date:	SeqNo:							
<b>PBS</b>	<b>43902</b>	<b>EPA 6010B</b>	<b>EPA 3050B</b>	<b>9/18/2013</b>	<b>1647233</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	ND	5.0										

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:							
<b>MB2-43902</b>	<b>MBLK</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>							
Client ID:	Batch ID:	TestNo:	EPA 3050B	Analysis Date:	SeqNo:							
<b>PBS</b>	<b>43902</b>	<b>EPA 6010B</b>	<b>EPA 3050B</b>	<b>9/18/2013</b>	<b>1647234</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	ND	5.0										

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:							
<b>LCS-43902</b>	<b>LCS</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>							
Client ID:	Batch ID:	TestNo:	EPA 3050B	Analysis Date:	SeqNo:							
<b>LCSS</b>	<b>43902</b>	<b>EPA 6010B</b>	<b>EPA 3050B</b>	<b>9/18/2013</b>	<b>1647235</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	24.455	5.0	25.00	0	97.8	80	120					

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:							
<b>N011008-006A-MS</b>	<b>MS</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>							
Client ID:	Batch ID:	TestNo:	EPA 3050B	Analysis Date:	SeqNo:							
<b>ZZZZZ</b>	<b>43902</b>	<b>EPA 6010B</b>	<b>EPA 3050B</b>	<b>9/18/2013</b>	<b>1647240</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	20.964	5.0	25.04	1.251	78.7	75	125					

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:							
<b>N011008-006A-MSD</b>	<b>MSD</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>							
Client ID:	Batch ID:	TestNo:	EPA 3050B	Analysis Date:	SeqNo:							
<b>ZZZZZ</b>	<b>43902</b>	<b>EPA 6010B</b>	<b>EPA 3050B</b>	<b>9/18/2013</b>	<b>1647241</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	21.330	5.0	25.04	1.251	80.2	75	125	20.96	1.73	20		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N011008-008A-DUP</b>	<b>DUP</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43902</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647245</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.564	5.0						1.744	0	20	

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N011008-021A-MS</b>	<b>MS</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43902</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647254</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.171	5.0	25.01	3.344	83.3	75	125				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N011008-022A-DUP</b>	<b>DUP</b>	<b>6010_SPB</b>	<b>mg/Kg</b>	<b>9/18/2013</b>	<b>90345</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43902</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647260</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.072	5.0						5.539	8.79	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
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| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7196\_S**

Sample ID: <b>N011009-081A-MS_I</b>	SampType: <b>MS</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90401</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43908</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648965</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	496.714	20	740.0	0	67.1	80	120				S

**Qualifiers:**

- |   |  |  |
|---|--|--|
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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>LCS-43890</b>	SampType: <b>LCS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647294</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.458	0.10	0.4153	0	110	80	120				

Sample ID: <b>MB1-43890</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647297</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.099									

Sample ID: <b>MB2-43890</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647299</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: <b>N011008-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647303</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.376	0.099						0.4264	12.5	20	

Sample ID: <b>N011008-002A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647304</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.797	0.098	0.4099	0.4264	90.5	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>N011008-002A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647305</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.848	0.099	0.4105	0.4264	103	75	125	0.7972	6.15	20	

Sample ID: <b>N011008-026A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647316</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.193	0.10						0.1381	33.4	20	R

Sample ID: <b>N011008-026A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647317</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.614	0.098	0.4099	0.1381	116	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>LCS-43889</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90323</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646582</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	57.686	1.0	83.30	0	69.3	52	126				
Surr: p-Terphenyl	5.799		6.670		86.9	59	127				

Sample ID: <b>MB1-43889</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90323</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646583</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	5.854		6.670		87.8	59	127				

Sample ID: <b>N011008-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90323</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646590</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	4.537	1.0						6.512	35.7	20	R
ORO	15.065	1.0						22.03	37.6	20	R
Surr: p-Terphenyl	5.887		6.672		88.2	59	127		0		

Sample ID: <b>N011008-003A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90323</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646595</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	109.278	1.0	83.41	51.87	68.8	13	129				
Surr: p-Terphenyl	5.015		6.679		75.1	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>N011008-003A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90323</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646596</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	84.077	1.0	83.19	51.87	38.7	13	129	109.3	26.1	20	R
Surr: p-Terphenyl	4.816		6.661		72.3	59	127		0		

Sample ID: <b>MB2-43889</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90344</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647206</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	5.533		6.670		82.9	59	127				

Sample ID: <b>N011008-012A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90344</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647208</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	5.168	1.0						5.847	12.3	20	
ORO	21.257	1.0						24.17	12.8	20	
Surr: p-Terphenyl	4.059		6.688		60.7	59	127		0		

Sample ID: <b>N011008-013A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90344</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43889</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647218</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	51.342	1.0	83.08	13.75	45.3	13	129				
Surr: p-Terphenyl	5.493		6.652		82.6	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
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| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>LCS-43899</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647551</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	57.888	1.0	83.30	0	69.5	52	126				
Surr: p-Terphenyl	5.922		6.670		88.8	59	127				

Sample ID: <b>MB1-43899</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647552</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	6.525		6.670		97.8	59	127				

Sample ID: <b>N011008-024A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647557</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	50.150	1.0						31.45	45.8	20	R
ORO	109.747	1.0						82.06	28.9	20	R
Surr: p-Terphenyl	6.459		6.679		96.7	59	127		0		

Sample ID: <b>N011008-025A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647564</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	54.529	1.0	83.49	13.37	49.3	13	129				
Surr: p-Terphenyl	6.015		6.686		90.0	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>N011008-025A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647565</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	45.626	1.0	83.13	13.37	38.8	13	129	54.53	17.8	20	
Surr: p-Terphenyl	4.894		6.657		73.5	59	127		0		

Sample ID: <b>MB2-43899</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90386</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648155</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	6.572		6.670		98.5	59	127				

Sample ID: <b>N011009-014A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90386</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648161</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	71.061	5.0						52.79	29.5	20	R
ORO	256.483	5.0						189.4	30.1	20	R
Surr: p-Terphenyl	5.739		6.688		85.8	59	127		0		

Sample ID: <b>N011009-009A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90386</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648167</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	80.690	5.0	83.52	51.86	34.5	13	129				
Surr: p-Terphenyl	5.828		6.688		87.2	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>E130917LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90309</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E13VS095</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646602</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.902	1.0	5.000	0	118	77	122				
Surr: Chlorobenzene - d5	109.450		100.0		109	51	136				

Sample ID: <b>E130917MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90309</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS095</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646603</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.073	1.0									
Surr: Chlorobenzene - d5	109.542		100.0		110	51	136				

Sample ID: <b>N011008-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90309</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS095</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646611</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.580	1.0	5.000	0.06500	110	41	132				
Surr: Chlorobenzene - d5	107.297		100.0		107	51	136				

Sample ID: <b>N011008-002AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90309</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS095</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646613</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.342	1.0	5.000	0.06500	106	41	132	5.580	4.36	20	
Surr: Chlorobenzene - d5	107.265		100.0		107	51	136		0		

Sample ID: <b>N011008-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90309</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS095</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646614</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.073	1.0						0.05800	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>N011008-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90309</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS095</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1646614</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Chlorobenzene - d5	77.193		100.0		77.2	51	136			0	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>E130918LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647064</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.652	1.0	5.000	0	113	77	122				
Surr: Chlorobenzene - d5	111.588		100.0		112	51	136				

Sample ID: <b>E130918MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647065</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.068	1.0									
Surr: Chlorobenzene - d5	100.835		100.0		101	51	136				

Sample ID: <b>N011008-020ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647067</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.057	1.0						0.05700	0	20	
Surr: Chlorobenzene - d5	105.580		100.0		106	51	136		0		

Sample ID: <b>N011009-016AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647073</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.440	1.0	5.000	0.04900	108	41	132				
Surr: Chlorobenzene - d5	101.718		100.0		102	51	136				

Sample ID: <b>N011009-016AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647074</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.677	1.0	5.000	0.04900	113	41	132	5.440	4.26	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>N011009-016AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647074</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Chlorobenzene - d5	103.733		100.0		104	51	136			0	

Sample ID: <b>E130918MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647269</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.073	1.0									
Surr: Chlorobenzene - d5	99.174		100.0		99.2	51	136				

Sample ID: <b>N011009-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647270</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.770	1.0	5.000	0.07000	94.0	41	132				
Surr: Chlorobenzene - d5	104.914		100.0		105	51	136				

Sample ID: <b>N011009-015ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647273</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.070	1.0						0.07200	0	20	
Surr: Chlorobenzene - d5	94.736		100.0		94.7	51	136		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011008-009A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8081SOIL</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90395</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43887</b>		TestNo: <b>EPA 8081A EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1648762</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.832	2.0						0.4177	0	30	
4,4'-DDE	3.682	2.0						4.054	9.62	30	
4,4'-DDT	8.730	2.0						5.921	38.3	30	R
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	0.938	1.0						0.7618	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0.3170	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	0.722	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	0.914	1.0						0.6903	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	8.805		16.68		52.8	28	161		0	0	
Surr: Decachlorobiphenyl	9.992		16.68		59.9	28	120		0	0	

Sample ID: <b>MB2-43887</b>		SampType: <b>MBLK</b>		TestCode: <b>8081SOIL</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90395</b>	
Client ID: <b>PBS</b>		Batch ID: <b>43887</b>		TestNo: <b>EPA 8081A EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1648768</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648768</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	8.179		16.67		49.1	28	161				
Surr: Decachlorobiphenyl	12.959		16.67		77.7	28	120				

Sample ID: <b>N011009-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648774</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.219	2.0						0.4890	0	30	
4,4'-DDE	0.327	2.0						0.4689	0	30	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011009-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648774</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	1.080	2.0						1.241	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	0.286	1.0						0.4360	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	1.323	1.0						0.4346	101	30	R
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	7.031		16.66		42.2	28	161		0	0	
Surr: Decachlorobiphenyl	6.914		16.66		41.5	28	120		0	0	

Sample ID: <b>LCS-43887_OCP</b>	SampType: <b>LCS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648780</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	17.716	2.0	16.67	0	106	57	143				
4,4'-DDE	17.687	2.0	16.67	0	106	54	137				
4,4'-DDT	18.187	2.0	16.67	0	109	57	148				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>LCS-43887_OCP</b>	SampType: <b>LCS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648780</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	14.516	1.0	16.67	0	87.1	44	115				
alpha-BHC	14.827	1.0	16.67	0	88.9	40	130				
alpha-Chlordane	16.516	1.0	16.67	0	99.1	49	142				
beta-BHC	15.215	1.0	16.67	0	91.3	44	127				
delta-BHC	10.781	1.0	16.67	0	64.7	50	144				
Dieldrin	17.078	2.0	16.67	0	102	59	135				
Endosulfan I	15.645	1.0	16.67	0	93.8	53	121				
Endosulfan II	17.348	2.0	16.67	0	104	60	137				
Endosulfan sulfate	15.186	2.0	16.67	0	91.1	72	145				
Endrin	22.978	2.0	16.67	0	138	53	148				
Endrin aldehyde	14.282	2.0	16.67	0	85.7	53	131				
Endrin ketone	14.852	2.0	16.67	0	89.1	55	139				
gamma-BHC	14.885	1.0	16.67	0	89.3	37	134				
gamma-Chlordane	16.956	1.0	16.67	0	102	51	131				
Heptachlor	18.068	1.0	16.67	0	108	36	138				
Heptachlor epoxide	16.311	1.0	16.67	0	97.8	50	127				
Methoxychlor	18.987	8.5	16.67	0	114	56	144				
Surr: Tetrachloro-m-xylene	10.383		16.67		62.3	28	161				
Surr: Decachlorobiphenyl	12.678		16.67		76.1	28	120				

Sample ID: <b>MB1-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648781</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>MB1-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648781</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	7.601		16.67		45.6	28	161				
Surr: Decachlorobiphenyl	12.104		16.67		72.6	28	120				

Sample ID: <b>N011008-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648783</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	19.736	2.0	16.69	0	118	31	162				
4,4'-DDE	15.232	2.0	16.69	0	91.3	33	165				
4,4'-DDT	5.584	2.0	16.69	0	33.5	17	180				
Aldrin	13.358	1.0	16.69	0	80.0	36	141				
alpha-BHC	12.584	1.0	16.69	0	75.4	23	149				
alpha-Chlordane	13.776	1.0	16.69	0	82.5	24	175				
beta-BHC	15.255	1.0	16.69	0	91.4	38	145				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011008-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648783</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
delta-BHC	9.761	1.0	16.69	0	58.5	36	166				
Dieldrin	14.546	2.0	16.69	0	87.1	24	172				
Endosulfan I	13.515	1.0	16.69	0	81.0	36	138				
Endosulfan II	13.753	2.0	16.69	0	82.4	27	166				
Endosulfan sulfate	11.593	2.0	16.69	0	69.5	49	157				
Endrin	18.083	2.0	16.69	0	108	25	180				
Endrin aldehyde	8.886	2.0	16.69	0	53.2	29	146				
Endrin ketone	9.792	2.0	16.69	0	58.7	30	155				
gamma-BHC	12.558	1.0	16.69	0	75.2	32	143				
gamma-Chlordane	14.528	1.0	16.69	0	87.0	40	172				
Heptachlor	14.648	1.0	16.69	0	87.8	33	145				
Heptachlor epoxide	14.274	1.0	16.69	0	85.5	40	153				
Methoxychlor	48.845	8.5	16.69	0	293	23	164				S
Surr: Tetrachloro-m-xylene	8.987		16.69		53.8	28	161				
Surr: Decachlorobiphenyl	10.512		16.69		63.0	28	120				

Sample ID: <b>N011008-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648784</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	20.570	2.0	16.67	0	123	31	162	19.74	4.14	30	
4,4'-DDE	15.579	2.0	16.67	0	93.5	33	165	15.23	2.25	30	
4,4'-DDT	5.929	2.0	16.67	0	35.6	17	180	5.584	6.01	30	
Aldrin	13.381	1.0	16.67	0	80.3	36	141	13.36	0.171	30	
alpha-BHC	12.314	1.0	16.67	0	73.9	23	149	12.58	2.16	30	
alpha-Chlordane	13.934	1.0	16.67	0	83.6	24	175	13.78	1.14	30	
beta-BHC	16.175	1.0	16.67	0	97.0	38	145	15.26	5.85	30	
delta-BHC	9.884	1.0	16.67	0	59.3	36	166	9.761	1.25	30	
Dieldrin	14.842	2.0	16.67	0	89.0	24	172	14.55	2.01	30	
Endosulfan I	13.605	1.0	16.67	0	81.6	36	138	13.52	0.657	30	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011008-001A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8081SOIL</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90395</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43887</b>		TestNo: <b>EPA 8081A</b>		<b>EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648784</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	14.622	2.0	16.67	0	87.7	27	166	13.75	6.12	30	
Endosulfan sulfate	12.139	2.0	16.67	0	72.8	49	157	11.59	4.60	30	
Endrin	18.852	2.0	16.67	0	113	25	180	18.08	4.16	30	
Endrin aldehyde	9.635	2.0	16.67	0	57.8	29	146	8.886	8.09	30	
Endrin ketone	10.165	2.0	16.67	0	61.0	30	155	9.792	3.73	30	
gamma-BHC	12.354	1.0	16.67	0	74.1	32	143	12.56	1.64	30	
gamma-Chlordane	14.918	1.0	16.67	0	89.5	40	172	14.53	2.65	30	
Heptachlor	14.334	1.0	16.67	0	86.0	33	145	14.65	2.17	30	
Heptachlor epoxide	14.429	1.0	16.67	0	86.6	40	153	14.27	1.08	30	
Methoxychlor	7.157	8.5	16.67	0	42.9	23	164	48.84	0	30	
Surr: Tetrachloro-m-xylene	8.542		16.67		51.2	28	161		0		
Surr: Decachlorobiphenyl	9.847		16.67		59.1	28	120		0		

Sample ID: <b>N011009-006A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8081SOIL</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90395</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43887</b>		TestNo: <b>EPA 8081A</b>		<b>EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648785</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	23.792	2.0	16.62	0.4890	140	31	162				
4,4'-DDE	14.503	2.0	16.62	0.4689	84.4	33	165				
4,4'-DDT	11.180	2.0	16.62	1.241	59.8	17	180				
Aldrin	12.303	1.0	16.62	0	74.0	36	141				
alpha-BHC	11.774	1.0	16.62	0	70.8	23	149				
alpha-Chlordane	26.155	1.0	16.62	0.4360	155	24	175				
beta-BHC	19.322	1.0	16.62	0	116	38	145				
delta-BHC	7.757	1.0	16.62	0	46.7	36	166				
Dieldrin	16.984	2.0	16.62	0	102	24	172				
Endosulfan I	10.813	1.0	16.62	0	65.1	36	138				
Endosulfan II	12.587	2.0	16.62	0	75.7	27	166				
Endosulfan sulfate	12.596	2.0	16.62	0	75.8	49	157				
Endrin	16.020	2.0	16.62	0	96.4	25	180				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011009-006A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648785</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin aldehyde	7.797	2.0	16.62	0	46.9	29	146				
Endrin ketone	8.089	2.0	16.62	0	48.7	30	155				
gamma-BHC	11.941	1.0	16.62	0	71.8	32	143				
gamma-Chlordane	13.966	1.0	16.62	0.4346	81.4	40	172				
Heptachlor	12.222	1.0	16.62	0	73.5	33	145				
Heptachlor epoxide	12.325	1.0	16.62	0	74.2	40	153				
Methoxychlor	7.472	8.5	16.62	0	45.0	23	164				
Surr: Tetrachloro-m-xylene	10.760		16.62		64.7	28	161				
Surr: Decachlorobiphenyl	10.688		16.62		64.3	28	120				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

Sample ID: <b>LCS-43887_PCB</b>	SampType: <b>LCS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646715</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	137.466	16	166.7	0	82.5	56	121				
Aroclor 1260	147.104	16	166.7	0	88.3	62	121				
Surr: Decachlorobiphenyl	14.700		16.67		88.2	40	146				
Surr: Tetrachloro-m-xylene	9.273		16.67		55.6	32	109				

Sample ID: <b>MB1-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646716</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	14.824		16.67		88.9	40	146				
Surr: Tetrachloro-m-xylene	7.838		16.67		47.0	32	109				

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646717</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646717</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	13.544		16.67		81.2	40	146				
Surr: Tetrachloro-m-xylene	7.665		16.67		46.0	32	109				

Sample ID: <b>N011008-009A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647184</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	17						0	0	20	
Aroclor 1221	ND	33						0	0	20	
Aroclor 1232	ND	17						0	0	20	
Aroclor 1242	ND	17						0	0	20	
Aroclor 1248	ND	17						0	0	20	
Aroclor 1254	ND	17						0	0	20	
Aroclor 1260	ND	17						0	0	20	
Surr: Decachlorobiphenyl	12.160		16.68		72.9	40	146		0		
Surr: Tetrachloro-m-xylene	11.834		16.68		71.0	32	109		0		

Sample ID: <b>N011009-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647193</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16						0	0	20	
Aroclor 1221	ND	33						0	0	20	
Aroclor 1232	ND	16						0	0	20	
Aroclor 1242	ND	16						0	0	20	
Aroclor 1248	ND	16						0	0	20	
Aroclor 1254	ND	16						0	0	20	
Aroclor 1260	ND	16						0	0	20	
Surr: Decachlorobiphenyl	7.771		16.66		46.6	40	146		0		
Surr: Tetrachloro-m-xylene	7.289		16.66		43.8	32	109		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

Sample ID: <b>N011008-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	178.525	17	166.9	0	107	43	142				
Aroclor 1260	145.982	17	166.9	0	87.5	34	146				
Surr: Decachlorobiphenyl	15.144		16.69		90.7	40	146				
Surr: Tetrachloro-m-xylene	11.894		16.69		71.3	32	109				

Sample ID: <b>N011008-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	151.696	16	166.7	0	91.0	43	142	178.5	16.2	20	
Aroclor 1260	131.449	16	166.7	0	78.9	34	146	146.0	10.5	20	
Surr: Decachlorobiphenyl	10.302		16.67		61.8	40	146		0		
Surr: Tetrachloro-m-xylene	7.742		16.67		46.4	32	109		0		

Sample ID: <b>N011009-006A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647205</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	124.342	16	166.2	0	74.8	43	142				
Aroclor 1260	92.394	16	166.2	0	55.6	34	146				
Surr: Decachlorobiphenyl	8.766		16.62		52.7	40	146				
Surr: Tetrachloro-m-xylene	9.060		16.62		54.5	32	109				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
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| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647897</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	37.390	5.0	40.00	0	93.5	80	123				
1,1,1-Trichloroethane	36.470	5.0	40.00	0	91.2	71	127				
1,1,2,2-Tetrachloroethane	36.360	5.0	40.00	0	90.9	80	120				
1,1,2-Trichloroethane	38.530	5.0	40.00	0	96.3	80	120				
1,1-Dichloroethane	37.780	5.0	40.00	0	94.4	80	120				
1,1-Dichloroethene	36.420	5.0	40.00	0	91.1	80	121				
1,1-Dichloropropene	36.580	5.0	40.00	0	91.4	74	131				
1,2,3-Trichlorobenzene	40.970	5.0	40.00	0	102	64	137				
1,2,3-Trichloropropane	39.190	5.0	40.00	0	98.0	75	120				
1,2,4-Trichlorobenzene	41.550	5.0	40.00	0	104	75	128				
1,2,4-Trimethylbenzene	38.140	5.0	40.00	0	95.4	73	128				
1,2-Dibromo-3-chloropropane	37.010	10	40.00	0	92.5	53	143				
1,2-Dibromoethane	37.960	5.0	40.00	0	94.9	74	124				
1,2-Dichlorobenzene	38.400	5.0	40.00	0	96.0	80	120				
1,2-Dichloroethane	39.380	5.0	40.00	0	98.4	70	139				
1,2-Dichloropropane	38.240	5.0	40.00	0	95.6	80	120				
1,3,5-Trimethylbenzene	36.750	5.0	40.00	0	91.9	76	126				
1,3-Dichlorobenzene	39.070	5.0	40.00	0	97.7	80	120				
1,3-Dichloropropane	37.710	5.0	40.00	0	94.3	80	120				
1,4-Dichlorobenzene	39.980	5.0	40.00	0	100	80	120				
2,2-Dichloropropane	38.430	5.0	40.00	0	96.1	72	135				
2-Chlorotoluene	36.850	5.0	40.00	0	92.1	79	120				
4-Chlorotoluene	37.930	5.0	40.00	0	94.8	80	120				
4-Isopropyltoluene	37.220	5.0	40.00	0	93.0	76	126				
Benzene	37.820	5.0	40.00	0	94.6	80	120				
Bromobenzene	38.050	5.0	40.00	0	95.1	80	120				
Bromodichloromethane	38.270	5.0	40.00	0	95.7	79	131				
Bromoform	39.570	5.0	40.00	0	98.9	80	120				
Bromomethane	38.780	5.0	40.00	0	97.0	43	179				
Carbon tetrachloride	36.280	5.0	40.00	0	90.7	80	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
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| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647897</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	38.310	5.0	40.00	0	95.8	80	120				
Chloroethane	37.110	5.0	40.00	0	92.8	32	181				
Chloroform	36.160	5.0	40.00	0	90.4	77	129				
Chloromethane	43.620	5.0	40.00	0	109	80	120				
cis-1,2-Dichloroethene	36.500	5.0	40.00	0	91.2	80	120				
cis-1,3-Dichloropropene	40.330	5.0	40.00	0	101	80	120				
Dibromochloromethane	37.470	5.0	40.00	0	93.7	80	122				
Dibromomethane	38.640	5.0	40.00	0	96.6	80	120				
Dichlorodifluoromethane	42.680	5.0	40.00	0	107	64	135				
Ethylbenzene	37.230	5.0	40.00	0	93.1	80	120				
Hexachlorobutadiene	36.810	5.0	40.00	0	92.0	69	132				
Isopropylbenzene	36.010	5.0	40.00	0	90.0	79	121				
m,p-Xylene	74.540	10	80.00	0	93.2	80	121				
Methylene chloride	38.700	5.0	40.00	0	96.8	74	123				
MTBE	36.930	5.0	40.00	0	92.3	56	140				
n-Butylbenzene	38.200	5.0	40.00	0	95.5	72	131				
n-Propylbenzene	36.890	5.0	40.00	0	92.2	79	122				
Naphthalene	38.370	5.0	40.00	0	95.9	69	126				
o-Xylene	37.570	5.0	40.00	0	93.9	80	120				
sec-Butylbenzene	36.000	5.0	40.00	0	90.0	74	127				
Styrene	37.420	5.0	40.00	0	93.6	80	120				
tert-Butylbenzene	35.870	5.0	40.00	0	89.7	75	125				
Tetrachloroethene	37.230	5.0	40.00	0	93.1	80	120				
Toluene	37.320	5.0	40.00	0	93.3	80	120				
trans-1,2-Dichloroethene	36.680	5.0	40.00	0	91.7	80	125				
Trichloroethene	37.870	5.0	40.00	0	94.7	80	120				
Trichlorofluoromethane	36.380	5.0	40.00	0	91.0	67	152				
Vinyl chloride	36.460	5.0	40.00	0	91.2	69	135				
Surr: 1,2-Dichloroethane-d4	46.230		50.00		92.5	63	139				
Surr: 4-Bromofluorobenzene	46.560		50.00		93.1	75	124				

**Qualifiers:**

- |   |  |  |
|---|--|--|
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| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647897</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	46.890		50.00		93.8	70	133				
Surr: Toluene-d8	47.340		50.00		94.7	80	123				

Sample ID: <b>N011008-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647899</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	38.580	5.0	40.00	0	96.5	58	149	37.06	4.02	20	
1,1,1-Trichloroethane	38.240	5.0	40.00	0	95.6	67	126	36.24	5.37	20	
1,1,2,2-Tetrachloroethane	37.130	5.0	40.00	0	92.8	18	193	34.91	6.16	20	
1,1,2-Trichloroethane	40.350	5.0	40.00	0	101	70	136	38.26	5.32	20	
1,1-Dichloroethane	39.980	5.0	40.00	0	100	65	134	37.64	6.03	20	
1,1-Dichloroethene	37.430	5.0	40.00	0	93.6	61	135	35.71	4.70	20	
1,1-Dichloropropene	35.880	5.0	40.00	0	89.7	68	125	34.44	4.10	20	
1,2,3-Trichlorobenzene	41.340	5.0	40.00	0	103	40	134	38.53	7.04	20	
1,2,3-Trichloropropane	36.250	5.0	40.00	0	90.6	38	167	34.20	5.82	20	
1,2,4-Trichlorobenzene	41.840	5.0	40.00	0	105	40	132	40.60	3.01	20	
1,2,4-Trimethylbenzene	37.300	5.0	40.00	0	93.3	58	123	36.13	3.19	20	
1,2-Dibromo-3-chloropropane	37.110	10	40.00	0	92.8	30	181	35.95	3.18	20	
1,2-Dibromoethane	40.750	5.0	40.00	0	102	67	139	37.89	7.27	20	
1,2-Dichlorobenzene	39.170	5.0	40.00	0	97.9	65	122	36.97	5.78	20	
1,2-Dichloroethane	40.480	5.0	40.00	0	101	63	149	39.11	3.44	20	
1,2-Dichloropropane	39.990	5.0	40.00	0	100	69	127	37.06	7.61	20	
1,3,5-Trimethylbenzene	36.010	5.0	40.00	0	90.0	58	122	34.64	3.88	20	
1,3-Dichlorobenzene	38.760	5.0	40.00	0	96.9	64	120	37.55	3.17	20	
1,3-Dichloropropane	39.550	5.0	40.00	0	98.9	64	141	37.77	4.60	20	
1,4-Dichlorobenzene	39.370	5.0	40.00	0	98.4	62	122	38.53	2.16	20	
2,2-Dichloropropane	40.440	5.0	40.00	0	101	62	138	39.20	3.11	20	
2-Chlorotoluene	36.300	5.0	40.00	0	90.8	59	124	34.95	3.79	20	
4-Chlorotoluene	37.130	5.0	40.00	0	92.8	60	123	36.24	2.43	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647899</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	36.100	5.0	40.00	0	90.3	50	124	34.64	4.13	20	
Benzene	38.470	5.0	40.00	0	96.2	72	122	36.17	6.16	20	
Bromobenzene	38.520	5.0	40.00	0	96.3	64	129	36.92	4.24	20	
Bromodichloromethane	40.350	5.0	40.00	0	101	67	142	37.54	7.22	20	
Bromoform	41.180	5.0	40.00	0	103	35	192	39.16	5.03	20	
Bromomethane	51.960	5.0	40.00	0	130	62	150	39.37	27.6	20	R
Carbon tetrachloride	36.180	5.0	40.00	0	90.4	56	142	33.90	6.51	20	
Chlorobenzene	39.450	5.0	40.00	0	98.6	71	120	37.78	4.32	20	
Chloroethane	38.690	5.0	40.00	0	96.7	55	149	35.12	9.67	20	
Chloroform	39.680	5.0	40.00	0.9300	96.9	70	135	37.60	5.38	20	
Chloromethane	41.000	5.0	40.00	0	103	37	151	40.87	0.318	20	
cis-1,2-Dichloroethene	39.040	5.0	40.00	0	97.6	69	131	37.10	5.10	20	
cis-1,3-Dichloropropene	41.220	5.0	40.00	0	103	71	129	39.05	5.41	20	
Dibromochloromethane	39.780	5.0	40.00	0	99.4	53	161	39.06	1.83	20	
Dibromomethane	41.940	5.0	40.00	0	105	66	145	38.02	9.80	20	
Dichlorodifluoromethane	38.700	5.0	40.00	0	96.8	52	135	38.74	0.103	20	
Ethylbenzene	36.990	5.0	40.00	0	92.5	65	120	36.19	2.19	20	
Hexachlorobutadiene	35.250	5.0	40.00	0	88.1	22	135	34.00	3.61	20	
Isopropylbenzene	35.090	5.0	40.00	0	87.7	60	121	33.44	4.82	20	
m,p-Xylene	75.230	10	80.00	0	94.0	65	120	73.20	2.74	20	
Methylene chloride	39.050	5.0	40.00	0	97.6	55	138	40.67	4.06	20	
MTBE	41.530	5.0	40.00	0	104	64	149	38.97	6.36	20	
n-Butylbenzene	36.730	5.0	40.00	0	91.8	43	126	35.37	3.77	20	
n-Propylbenzene	35.610	5.0	40.00	0	89.0	56	122	34.25	3.89	20	
Naphthalene	38.690	5.0	40.00	0	96.7	48	139	37.10	4.20	20	
o-Xylene	38.190	5.0	40.00	0	95.5	67	118	37.29	2.38	20	
sec-Butylbenzene	34.490	5.0	40.00	0	86.2	50	123	33.60	2.61	20	
Styrene	38.770	5.0	40.00	0	96.9	57	129	37.53	3.25	20	
tert-Butylbenzene	35.420	5.0	40.00	0	88.6	54	121	33.99	4.12	20	
Tetrachloroethene	36.960	5.0	40.00	0	92.4	35	149	35.87	2.99	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647899</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	37.980	5.0	40.00	0	95.0	68	120	35.98	5.41	20	
trans-1,2-Dichloroethene	38.120	5.0	40.00	0	95.3	62	139	36.60	4.07	20	
Trichloroethene	39.120	5.0	40.00	0	97.8	63	134	36.70	6.38	20	
Trichlorofluoromethane	37.980	5.0	40.00	0	95.0	34	179	36.09	5.10	20	
Vinyl chloride	38.820	5.0	40.00	0	97.0	57	136	40.95	5.34	20	
Surr: 1,2-Dichloroethane-d4	49.580		50.00		99.2	63	139		0		
Surr: 4-Bromofluorobenzene	47.030		50.00		94.1	75	124		0		
Surr: Dibromofluoromethane	49.160		50.00		98.3	70	133		0		
Surr: Toluene-d8	46.280		50.00		92.6	80	123		0		

Sample ID: <b>N011008-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647900</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	37.060	5.0	40.00	0	92.6	58	149				
1,1,1-Trichloroethane	36.240	5.0	40.00	0	90.6	67	126				
1,1,2,2-Tetrachloroethane	34.910	5.0	40.00	0	87.3	18	193				
1,1,2-Trichloroethane	38.260	5.0	40.00	0	95.7	70	136				
1,1-Dichloroethane	37.640	5.0	40.00	0	94.1	65	134				
1,1-Dichloroethene	35.710	5.0	40.00	0	89.3	61	135				
1,1-Dichloropropene	34.440	5.0	40.00	0	86.1	68	125				
1,2,3-Trichlorobenzene	38.530	5.0	40.00	0	96.3	40	134				
1,2,3-Trichloropropane	34.200	5.0	40.00	0	85.5	38	167				
1,2,4-Trichlorobenzene	40.600	5.0	40.00	0	102	40	132				
1,2,4-Trimethylbenzene	36.130	5.0	40.00	0	90.3	58	123				
1,2-Dibromo-3-chloropropane	35.950	10	40.00	0	89.9	30	181				
1,2-Dibromoethane	37.890	5.0	40.00	0	94.7	67	139				
1,2-Dichlorobenzene	36.970	5.0	40.00	0	92.4	65	122				
1,2-Dichloroethane	39.110	5.0	40.00	0	97.8	63	149				
1,2-Dichloropropane	37.060	5.0	40.00	0	92.6	69	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

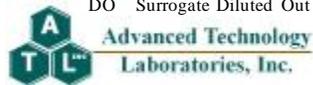
## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647900</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	34.640	5.0	40.00	0	86.6	58	122				
1,3-Dichlorobenzene	37.550	5.0	40.00	0	93.9	64	120				
1,3-Dichloropropane	37.770	5.0	40.00	0	94.4	64	141				
1,4-Dichlorobenzene	38.530	5.0	40.00	0	96.3	62	122				
2,2-Dichloropropane	39.200	5.0	40.00	0	98.0	62	138				
2-Chlorotoluene	34.950	5.0	40.00	0	87.4	59	124				
4-Chlorotoluene	36.240	5.0	40.00	0	90.6	60	123				
4-Isopropyltoluene	34.640	5.0	40.00	0	86.6	50	124				
Benzene	36.170	5.0	40.00	0	90.4	72	122				
Bromobenzene	36.920	5.0	40.00	0	92.3	64	129				
Bromodichloromethane	37.540	5.0	40.00	0	93.8	67	142				
Bromoform	39.160	5.0	40.00	0	97.9	35	192				
Bromomethane	39.370	5.0	40.00	0	98.4	62	150				
Carbon tetrachloride	33.900	5.0	40.00	0	84.8	56	142				
Chlorobenzene	37.780	5.0	40.00	0	94.4	71	120				
Chloroethane	35.120	5.0	40.00	0	87.8	55	149				
Chloroform	37.600	5.0	40.00	0.9300	91.7	70	135				
Chloromethane	40.870	5.0	40.00	0	102	37	151				
cis-1,2-Dichloroethene	37.100	5.0	40.00	0	92.8	69	131				
cis-1,3-Dichloropropene	39.050	5.0	40.00	0	97.6	71	129				
Dibromochloromethane	39.060	5.0	40.00	0	97.6	53	161				
Dibromomethane	38.020	5.0	40.00	0	95.1	66	145				
Dichlorodifluoromethane	38.740	5.0	40.00	0	96.9	52	135				
Ethylbenzene	36.190	5.0	40.00	0	90.5	65	120				
Hexachlorobutadiene	34.000	5.0	40.00	0	85.0	22	135				
Isopropylbenzene	33.440	5.0	40.00	0	83.6	60	121				
m,p-Xylene	73.200	10	80.00	0	91.5	65	120				
Methylene chloride	40.670	5.0	40.00	0	102	55	138				
MTBE	38.970	5.0	40.00	0	97.4	64	149				
n-Butylbenzene	35.370	5.0	40.00	0	88.4	43	126				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647900</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	34.250	5.0	40.00	0	85.6	56	122				
Naphthalene	37.100	5.0	40.00	0	92.8	48	139				
o-Xylene	37.290	5.0	40.00	0	93.2	67	118				
sec-Butylbenzene	33.600	5.0	40.00	0	84.0	50	123				
Styrene	37.530	5.0	40.00	0	93.8	57	129				
tert-Butylbenzene	33.990	5.0	40.00	0	85.0	54	121				
Tetrachloroethene	35.870	5.0	40.00	0	89.7	35	149				
Toluene	35.980	5.0	40.00	0	90.0	68	120				
trans-1,2-Dichloroethene	36.600	5.0	40.00	0	91.5	62	139				
Trichloroethene	36.700	5.0	40.00	0	91.8	63	134				
Trichlorofluoromethane	36.090	5.0	40.00	0	90.2	34	179				
Vinyl chloride	40.950	5.0	40.00	0	102	57	136				
Surr: 1,2-Dichloroethane-d4	48.460		50.00		96.9	63	139				
Surr: 4-Bromofluorobenzene	46.720		50.00		93.4	75	124				
Surr: Dibromofluoromethane	48.180		50.00		96.4	70	133				
Surr: Toluene-d8	45.200		50.00		90.4	80	123				

Sample ID: <b>Q130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647902</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647902</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647902</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	1.080	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	43.520		50.00		87.0	63	139				
Surr: 4-Bromofluorobenzene	45.080		50.00		90.2	75	124				
Surr: Dibromofluoromethane	43.670		50.00		87.3	70	133				
Surr: Toluene-d8	44.240		50.00		88.5	80	123				

Sample ID: <b>Q130919MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	45.310		50.00		90.6	63	139				
Surr: 4-Bromofluorobenzene	44.210		50.00		88.4	75	124				
Surr: Dibromofluoromethane	44.550		50.00		89.1	70	133				
Surr: Toluene-d8	45.320		50.00		90.6	80	123				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	45.840		50.00		91.7	63	139		0		
Surr: 4-Bromofluorobenzene	47.590		50.00		95.2	75	124		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	46.120		50.00		92.2	70	133		0		
Surr: Toluene-d8	49.260		50.00		98.5	80	123		0		

Sample ID: <b>N011009-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	51.800		50.00		104	63	139		0		
Surr: 4-Bromofluorobenzene	46.420		50.00		92.8	75	124		0		
Surr: Dibromofluoromethane	17.390		50.00		34.8	70	133		0		S
Surr: Toluene-d8	47.490		50.00		95.0	80	123		0		

Sample ID: <b>N011008-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647924</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	32.080	5.0	40.00	0	80.2	58	149				
1,1,1-Trichloroethane	32.650	5.0	40.00	0	81.6	67	126				
1,1,2,2-Tetrachloroethane	28.740	5.0	40.00	0	71.8	18	193				
1,1,2-Trichloroethane	34.570	5.0	40.00	0	86.4	70	136				
1,1-Dichloroethane	34.190	5.0	40.00	0	85.5	65	134				
1,1-Dichloroethene	31.490	5.0	40.00	0	78.7	61	135				
1,1-Dichloropropene	31.830	5.0	40.00	0	79.6	68	125				
1,2,3-Trichlorobenzene	31.370	5.0	40.00	0	78.4	40	134				
1,2,3-Trichloropropane	28.830	5.0	40.00	0	72.1	38	167				
1,2,4-Trichlorobenzene	32.360	5.0	40.00	0	80.9	40	132				
1,2,4-Trimethylbenzene	31.270	5.0	40.00	0	78.2	58	123				
1,2-Dibromo-3-chloropropane	26.720	10	40.00	0	66.8	30	181				
1,2-Dibromoethane	34.830	5.0	40.00	0	87.1	67	139				
1,2-Dichlorobenzene	32.570	5.0	40.00	0	81.4	65	122				
1,2-Dichloroethane	35.560	5.0	40.00	0	88.9	63	149				
1,2-Dichloropropane	35.040	5.0	40.00	0	87.6	69	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647924</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	30.330	5.0	40.00	0	75.8	58	122				
1,3-Dichlorobenzene	32.070	5.0	40.00	0	80.2	64	120				
1,3-Dichloropropane	33.090	5.0	40.00	0	82.7	64	141				
1,4-Dichlorobenzene	33.060	5.0	40.00	0	82.6	62	122				
2,2-Dichloropropane	34.510	5.0	40.00	0	86.3	62	138				
2-Chlorotoluene	30.800	5.0	40.00	0	77.0	59	124				
4-Chlorotoluene	31.750	5.0	40.00	0	79.4	60	123				
4-Isopropyltoluene	29.740	5.0	40.00	0	74.4	50	124				
Benzene	34.080	5.0	40.00	0	85.2	72	122				
Bromobenzene	32.510	5.0	40.00	0	81.3	64	129				
Bromodichloromethane	33.770	5.0	40.00	0	84.4	67	142				
Bromoform	31.570	5.0	40.00	0	78.9	35	192				
Bromomethane	49.370	5.0	40.00	0	123	62	150				
Carbon tetrachloride	30.660	5.0	40.00	0	76.7	56	142				
Chlorobenzene	33.800	5.0	40.00	0	84.5	71	120				
Chloroethane	50.320	5.0	40.00	0	126	55	149				
Chloroform	33.660	5.0	40.00	0	84.2	70	135				
Chloromethane	66.650	5.0	40.00	0	167	37	151				S
cis-1,2-Dichloroethene	33.350	5.0	40.00	0	83.4	69	131				
cis-1,3-Dichloropropene	34.690	5.0	40.00	0	86.7	71	129				
Dibromochloromethane	31.720	5.0	40.00	0	79.3	53	161				
Dibromomethane	34.970	5.0	40.00	0	87.4	66	145				
Dichlorodifluoromethane	61.060	5.0	40.00	0	153	52	135				S
Ethylbenzene	32.580	5.0	40.00	0	81.4	65	120				
Hexachlorobutadiene	27.660	5.0	40.00	0	69.2	22	135				
Isopropylbenzene	29.670	5.0	40.00	0	74.2	60	121				
m,p-Xylene	65.980	10	80.00	0	82.5	65	120				
Methylene chloride	55.700	5.0	40.00	0	139	55	138				S
MTBE	32.470	5.0	40.00	0	81.2	64	149				
n-Butylbenzene	30.390	5.0	40.00	0	76.0	43	126				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647924</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	30.670	5.0	40.00	0	76.7	56	122				
Naphthalene	28.350	5.0	40.00	0	70.9	48	139				
o-Xylene	33.100	5.0	40.00	0	82.8	67	118				
sec-Butylbenzene	29.330	5.0	40.00	0	73.3	50	123				
Styrene	33.480	5.0	40.00	0	83.7	57	129				
tert-Butylbenzene	29.870	5.0	40.00	0	74.7	54	121				
Tetrachloroethene	31.170	5.0	40.00	0	77.9	35	149				
Toluene	33.790	5.0	40.00	0	84.5	68	120				
trans-1,2-Dichloroethene	32.900	5.0	40.00	0	82.2	62	139				
Trichloroethene	34.370	5.0	40.00	0	85.9	63	134				
Trichlorofluoromethane	32.160	5.0	40.00	0	80.4	34	179				
Vinyl chloride	48.260	5.0	40.00	0	121	57	136				
Surr: 1,2-Dichloroethane-d4	45.810		50.00		91.6	63	139				
Surr: 4-Bromofluorobenzene	43.540		50.00		87.1	75	124				
Surr: Dibromofluoromethane	45.560		50.00		91.1	70	133				
Surr: Toluene-d8	44.070		50.00		88.1	80	123				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

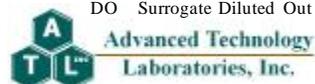
**TestCode: 8270SOIL\_SIM**

Sample ID: <b>LCS-43888</b>	SampType: <b>LCS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647096</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	20.667	5.0	33.30	0	62.1	44	127				
Acenaphthene	21.333	5.0	33.30	0	64.1	50	125				
Acenaphthylene	21.000	5.0	33.30	0	63.1	52	125				
Anthracene	25.667	5.0	33.30	0	77.1	46	133				
Benzo(a)anthracene	26.667	5.0	33.30	0	80.1	63	141				
Benzo(a)pyrene	26.667	5.0	33.30	0	80.1	63	139				
Benzo(b)fluoranthene	27.333	5.0	33.30	0	82.1	63	151				
Benzo(g,h,i)perylene	27.333	5.0	33.30	0	82.1	59	148				
Benzo(k)fluoranthene	28.000	5.0	33.30	0	84.1	61	151				
Chrysene	26.333	5.0	33.30	0	79.1	68	139				
Dibenz(a,h)anthracene	27.333	5.0	33.30	0	82.1	59	146				
Fluoranthene	27.333	5.0	33.30	0	82.1	67	135				
Fluorene	22.667	5.0	33.30	0	68.1	50	131				
Indeno(1,2,3-cd)pyrene	27.667	5.0	33.30	0	83.1	59	142				
Naphthalene	19.333	5.0	33.30	0	58.1	45	125				
Phenanthrene	22.667	5.0	33.30	0	68.1	54	125				
Pyrene	26.333	5.0	33.30	0	79.1	66	132				
Surr: 1,2-Dichlorobenzene-d4	12.667		33.30		38.0	14	120				
Surr: 2-Fluorobiphenyl	17.667		33.30		53.1	28	130				
Surr: 4-Terphenyl-d14	26.333		33.30		79.1	19	165				
Surr: Nitrobenzene-d5	15.667		33.30		47.0	23	150				

Sample ID: <b>N011008-002A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647097</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	83.777	5.0	132.9	0	63.0	44	127				
Acenaphthene	83.444	5.0	132.9	0	62.8	50	125				
Acenaphthylene	82.114	5.0	132.9	0	61.8	52	125				
Anthracene	98.072	5.0	132.9	0	73.8	46	133				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-002A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647097</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	90.758	5.0	132.9	0	68.3	63	141				
Benzo(a)pyrene	91.755	5.0	132.9	1.331	68.0	63	139				
Benzo(b)fluoranthene	92.088	5.0	132.9	0	69.3	63	151				
Benzo(g,h,i)perylene	76.130	5.0	132.9	0	57.3	59	148				S
Benzo(k)fluoranthene	101.064	5.0	132.9	0	76.0	61	151				
Chrysene	93.750	5.0	132.9	1.663	69.3	68	139				
Dibenz(a,h)anthracene	81.449	5.0	132.9	0	61.3	59	146				
Fluoranthene	97.407	5.0	132.9	0	73.3	67	135				
Fluorene	85.106	5.0	132.9	0	64.0	50	131				
Indeno(1,2,3-cd)pyrene	81.782	5.0	132.9	0	61.5	59	142				
Naphthalene	80.452	5.0	132.9	0	60.5	45	125				
Phenanthrene	91.423	5.0	132.9	0	68.8	54	125				
Pyrene	97.407	5.0	132.9	0	73.3	66	132				
Surr: 1,2-Dichlorobenzene-d4	14.628		33.21		44.0	14	120				
Surr: 2-Fluorobiphenyl	17.287		33.21		52.1	28	130				
Surr: 4-Terphenyl-d14	22.606		33.21		68.1	19	165				
Surr: Nitrobenzene-d5	18.949		33.21		57.1	23	150				

Sample ID: <b>N011008-002A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647098</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	88.696	5.0	133.3	0	66.5	44	127	83.78	5.70	20	
Acenaphthene	81.694	5.0	133.3	0	61.3	50	125	83.44	2.12	20	
Acenaphthylene	81.694	5.0	133.3	0	61.3	52	125	82.11	0.513	20	
Anthracene	100.033	5.0	133.3	0	75.0	46	133	98.07	1.98	20	
Benzo(a)anthracene	97.366	5.0	133.3	0	73.0	63	141	90.76	7.02	20	
Benzo(a)pyrene	96.032	5.0	133.3	1.331	71.0	63	139	91.76	4.55	20	
Benzo(b)fluoranthene	102.701	5.0	133.3	0	77.0	63	151	92.09	10.9	20	
Benzo(g,h,i)perylene	65.022	5.0	133.3	0	48.8	59	148	76.13	15.7	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

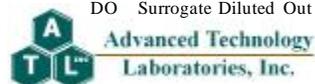
**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-002A-MSD</b> SampType: <b>MSD</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90342</b>					
Client ID: <b>ZZZZZ</b> Batch ID: <b>43888</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>		SeqNo: <b>1647098</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	112.371	5.0	133.3	0	84.3	61	151	101.1	10.6	20	
Chrysene	93.031	5.0	133.3	1.663	68.5	68	139	93.75	0.770	20	
Dibenz(a,h)anthracene	74.358	5.0	133.3	0	55.8	59	146	81.45	9.10	20	S
Fluoranthene	101.701	5.0	133.3	0	76.3	67	135	97.41	4.31	20	
Fluorene	84.361	5.0	133.3	0	63.3	50	131	85.11	0.879	20	
Indeno(1,2,3-cd)pyrene	73.358	5.0	133.3	0	55.0	59	142	81.78	10.9	20	S
Naphthalene	84.028	5.0	133.3	0	63.0	45	125	80.45	4.35	20	
Phenanthrene	93.031	5.0	133.3	0	69.8	54	125	91.42	1.74	20	
Pyrene	100.033	5.0	133.3	0	75.0	66	132	97.41	2.66	20	
Surr: 1,2-Dichlorobenzene-d4	14.338		33.31		43.0	14	120		0		
Surr: 2-Fluorobiphenyl	17.006		33.31		51.1	28	130		0		
Surr: 4-Terphenyl-d14	23.008		33.31		69.1	19	165		0		
Surr: Nitrobenzene-d5	18.339		33.31		55.1	23	150		0		

Sample ID: <b>MB-43888</b> SampType: <b>MBLK</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90342</b>					
Client ID: <b>PBS</b> Batch ID: <b>43888</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>		SeqNo: <b>1647099</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB-43888</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647099</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	8.667		33.30		26.0	14	120				
Surr: 2-Fluorobiphenyl	16.667		33.30		50.1	28	130				
Surr: 4-Terphenyl-d14	25.000		33.30		75.1	19	165				
Surr: Nitrobenzene-d5	13.667		33.30		41.0	23	150				

Sample ID: <b>N011008-004A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647104</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						0	0	20	
Acenaphthene	ND	5.0						0	0	20	
Acenaphthylene	ND	5.0						0	0	20	
Anthracene	ND	5.0						0	0	20	
Benzo(a)anthracene	ND	5.0						0	0	20	
Benzo(a)pyrene	ND	5.0						0	0	20	
Benzo(b)fluoranthene	ND	5.0						0	0	20	
Benzo(g,h,i)perylene	ND	5.0						0	0	20	
Benzo(k)fluoranthene	ND	5.0						0	0	20	
Chrysene	1.672	5.0						0	0	20	
Dibenz(a,h)anthracene	ND	5.0						0	0	20	
Fluoranthene	ND	5.0						0	0	20	
Fluorene	ND	5.0						0	0	20	
Indeno(1,2,3-cd)pyrene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
Phenanthrene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-004A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647104</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene	ND	5.0						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	11.706		33.41		35.0	14	120		0		
Surr: 2-Fluorobiphenyl	16.722		33.41		50.1	28	130		0		
Surr: 4-Terphenyl-d14	27.425		33.41		82.1	19	165		0		
Surr: Nitrobenzene-d5	15.050		33.41		45.0	23	150		0		

Sample ID: <b>MB2-43888</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647112</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	10.333		33.30		31.0	14	120				
Surr: 2-Fluorobiphenyl	18.000		33.30		54.1	28	130				
Surr: 4-Terphenyl-d14	25.333		33.30		76.1	19	165				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB2-43888</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647112</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	15.000		33.30		45.0	23	150				

Sample ID: <b>N011008-011A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/17/2013</b>	SeqNo: <b>1647114</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						0	0	20	
Acenaphthene	ND	5.0						0	0	20	
Acenaphthylene	ND	5.0						0	0	20	
Anthracene	ND	5.0						0	0	20	
Benzo(a)anthracene	ND	5.0						0	0	20	
Benzo(a)pyrene	ND	5.0						1.336	0	20	
Benzo(b)fluoranthene	1.662	5.0						1.670	0	20	
Benzo(g,h,i)perylene	ND	5.0						1.670	0	20	
Benzo(k)fluoranthene	ND	5.0						0	0	20	
Chrysene	ND	5.0						0	0	20	
Dibenz(a,h)anthracene	ND	5.0						0	0	20	
Fluoranthene	ND	5.0						0	0	20	
Fluorene	ND	5.0						0	0	20	
Indeno(1,2,3-cd)pyrene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
Phenanthrene	ND	5.0						0	0	20	
Pyrene	ND	5.0						2.338	0	20	
Surr: 1,2-Dichlorobenzene-d4	13.626		33.20		41.0	14	120		0		
Surr: 2-Fluorobiphenyl	18.943		33.20		57.1	28	130		0		
Surr: 4-Terphenyl-d14	23.596		33.20		71.1	19	165		0		
Surr: Nitrobenzene-d5	17.614		33.20		53.1	23	150		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

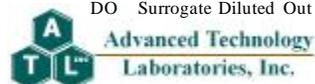
**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-011A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90342</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647124</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	78.099	5.0	132.9	0	58.8	44	127				
Acenaphthene	75.773	5.0	132.9	0	57.0	50	125				
Acenaphthylene	76.105	5.0	132.9	0	57.3	52	125				
Anthracene	92.057	5.0	132.9	0	69.3	46	133				
Benzo(a)anthracene	90.395	5.0	132.9	0	68.0	63	141				
Chrysene	86.075	5.0	132.9	0	64.8	68	139				S
Fluoranthene	96.045	5.0	132.9	0	72.3	67	135				
Fluorene	77.767	5.0	132.9	0	58.5	50	131				
Naphthalene	74.443	5.0	132.9	0	56.0	45	125				
Phenanthrene	82.087	5.0	132.9	0	61.8	54	125				
Pyrene	92.389	5.0	132.9	2.338	67.8	66	132				
Surr: 1,2-Dichlorobenzene-d4	13.958		33.20		42.0	14	120				
Surr: 2-Fluorobiphenyl	16.949		33.20		51.1	28	130				
Surr: 4-Terphenyl-d14	22.599		33.20		68.1	19	165				
Surr: Nitrobenzene-d5	19.276		33.20		58.1	23	150				

Sample ID: <b>N011008-011A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90406</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43888</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649111</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	119.641	100	132.9	1.336	89.0	63	139				
Benzo(b)fluoranthene	99.701	100	132.9	1.670	73.8	63	151				
Benzo(g,h,i)perylene	66.467	100	132.9	1.670	48.8	59	148				S
Benzo(k)fluoranthene	146.228	100	132.9	0	110	61	151				
Dibenz(a,h)anthracene	79.761	100	132.9	0	60.0	59	146				
Indeno(1,2,3-cd)pyrene	79.761	100	132.9	0	60.0	59	142				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>LCS-43898</b>	SampType: <b>LCS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647664</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	23.333	5.0	33.30	0	70.1	44	127				
Acenaphthene	23.667	5.0	33.30	0	71.1	50	125				
Acenaphthylene	23.333	5.0	33.30	0	70.1	52	125				
Anthracene	27.667	5.0	33.30	0	83.1	46	133				
Benzo(a)anthracene	29.333	5.0	33.30	0	88.1	63	141				
Benzo(a)pyrene	29.333	5.0	33.30	0	88.1	63	139				
Benzo(b)fluoranthene	32.333	5.0	33.30	0	97.1	63	151				
Benzo(g,h,i)perylene	29.000	5.0	33.30	0	87.1	59	148				
Benzo(k)fluoranthene	30.000	5.0	33.30	0	90.1	61	151				
Chrysene	28.667	5.0	33.30	0	86.1	68	139				
Dibenz(a,h)anthracene	30.000	5.0	33.30	0	90.1	59	146				
Fluoranthene	29.333	5.0	33.30	0	88.1	67	135				
Fluorene	24.333	5.0	33.30	0	73.1	50	131				
Indeno(1,2,3-cd)pyrene	30.000	5.0	33.30	0	90.1	59	142				
Naphthalene	22.333	5.0	33.30	0	67.1	45	125				
Phenanthrene	25.000	5.0	33.30	0	75.1	54	125				
Pyrene	28.333	5.0	33.30	0	85.1	66	132				
Surr: 1,2-Dichlorobenzene-d4	18.667		33.30		56.1	14	120				
Surr: 2-Fluorobiphenyl	21.000		33.30		63.1	28	130				
Surr: 4-Terphenyl-d14	28.667		33.30		86.1	19	165				
Surr: Nitrobenzene-d5	22.333		33.30		67.1	23	150				

Sample ID: <b>N011008-021A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647665</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	84.109	5.0	132.9	0	63.3	44	127				
Acenaphthene	90.426	5.0	132.9	0	68.0	50	125				
Acenaphthylene	108.045	5.0	132.9	1.332	80.3	52	125				
Anthracene	164.894	5.0	132.9	2.332	122	46	133				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-021A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>		SeqNo: <b>1647665</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	184.840	5.0	132.9	5.330	135	63	141				
Benzo(a)pyrene	177.194	5.0	132.9	9.993	126	63	139				
Benzo(b)fluoranthene	172.872	5.0	132.9	17.65	117	63	151				
Benzo(g,h,i)perylene	82.779	5.0	132.9	3.664	59.5	59	148				
Benzo(k)fluoranthene	134.973	5.0	132.9	4.997	97.8	61	151				
Chrysene	174.867	5.0	132.9	19.32	117	68	139				
Dibenz(a,h)anthracene	79.455	5.0	132.9	0	59.8	59	146				
Fluoranthene	251.995	5.0	132.9	14.99	178	67	135				S
Fluorene	120.346	5.0	132.9	0	90.5	50	131				
Indeno(1,2,3-cd)pyrene	92.753	5.0	132.9	1.999	68.3	59	142				
Naphthalene	80.785	5.0	132.9	0	60.8	45	125				
Phenanthrene	319.814	5.0	132.9	7.662	235	54	125				SE
Pyrene	299.535	5.0	132.9	21.65	209	66	132				SE
Surr: 1,2-Dichlorobenzene-d4	12.633		33.21		38.0	14	120				
Surr: 2-Fluorobiphenyl	17.620		33.21		53.1	28	130				
Surr: 4-Terphenyl-d14	24.269		33.21		73.1	19	165				
Surr: Nitrobenzene-d5	17.620		33.21		53.1	23	150				

Sample ID: <b>N011008-021A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>		SeqNo: <b>1647666</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	56.371	5.0	133.4	0	42.3	44	127	84.11	39.5	20	SR
Acenaphthene	67.712	5.0	133.4	0	50.8	50	125	90.43	28.7	20	R
Acenaphthylene	67.378	5.0	133.4	1.332	49.5	52	125	108.0	46.4	20	SR
Anthracene	99.733	5.0	133.4	2.332	73.0	46	133	164.9	49.2	20	R
Benzo(a)anthracene	122.748	5.0	133.4	5.330	88.0	63	141	184.8	40.4	20	R
Benzo(a)pyrene	138.759	5.0	133.4	9.993	96.5	63	139	177.2	24.3	20	R
Benzo(b)fluoranthene	132.088	5.0	133.4	17.65	85.8	63	151	172.9	26.7	20	R
Benzo(g,h,i)perylene	78.052	5.0	133.4	3.664	55.8	59	148	82.78	5.88	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-021A-MSD</b> SampType: <b>MSD</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>					
Client ID: <b>ZZZZZ</b> Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>		SeqNo: <b>1647666</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	129.420	5.0	133.4	4.997	93.3	61	151	135.0	4.20	20	
Chrysene	115.077	5.0	133.4	19.32	71.8	68	139	174.9	41.2	20	R
Dibenz(a,h)anthracene	71.714	5.0	133.4	0	53.8	59	146	79.45	10.2	20	S
Fluoranthene	180.454	5.0	133.4	14.99	124	67	135	252.0	33.1	20	R
Fluorene	72.382	5.0	133.4	0	54.3	50	131	120.3	49.8	20	R
Indeno(1,2,3-cd)pyrene	85.057	5.0	133.4	1.999	62.3	59	142	92.75	8.66	20	
Naphthalene	48.699	5.0	133.4	0	36.5	45	125	80.78	49.6	20	SR
Phenanthrene	104.069	5.0	133.4	7.662	72.3	54	125	319.8	102	20	R
Pyrene	212.809	5.0	133.4	21.65	143	66	132	299.5	33.9	20	SR
Surr: 1,2-Dichlorobenzene-d4	6.671		33.32		20.0	14	120		0		
Surr: 2-Fluorobiphenyl	10.674		33.32		32.0	28	130		0		
Surr: 4-Terphenyl-d14	20.347		33.32		61.1	19	165		0		
Surr: Nitrobenzene-d5	9.673		33.32		29.0	23	150		0		

Sample ID: <b>MB1-43898</b> SampType: <b>MBLK</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>					
Client ID: <b>PBS</b> Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>		SeqNo: <b>1647667</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB1-43898</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647667</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	13.333		33.30		40.0	14	120				
Surr: 2-Fluorobiphenyl	16.667		33.30		50.1	28	130				
Surr: 4-Terphenyl-d14	25.333		33.30		76.1	19	165				
Surr: Nitrobenzene-d5	17.000		33.30		51.1	23	150				

Sample ID: <b>N011008-022A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647673</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						0	0	20	
Acenaphthene	3.329	5.0						3.322	0	20	
Acenaphthylene	10.985	5.0						23.26	71.7	20	R
Anthracene	19.640	5.0						134.9	149	20	R
Fluoranthene	74.900	5.0						480.1	146	20	R
Fluorene	3.329	5.0						22.26	0	20	
Naphthalene	ND	5.0						2.990	0	20	
Phenanthrene	73.569	5.0						297.3	121	20	R
Pyrene	93.542	5.0						503.3	137	20	R
Surr: 1,2-Dichlorobenzene-d4	13.316		33.26		40.0	14	120		0		
Surr: 2-Fluorobiphenyl	17.643		33.26		53.1	28	130		0		
Surr: Nitrobenzene-d5	19.308		33.26		58.1	23	150		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB2-43898</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647680</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

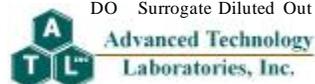
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	17.000		33.30		51.1	14	120				
Surr: 2-Fluorobiphenyl	19.667		33.30		59.1	28	130				
Surr: 4-Terphenyl-d14	26.667		33.30		80.1	19	165				
Surr: Nitrobenzene-d5	21.333		33.30		64.1	23	150				

Sample ID: <b>N011009-018A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647686</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Methylnaphthalene	ND	5.0						0	0	20	
Acenaphthene	2.999	5.0						4.345	0	20	
Acenaphthylene	38.321	5.0						28.74	28.6	20	R
Anthracene	42.319	5.0						33.76	22.5	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-018A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1647686</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	9.997	5.0						8.021	21.9	20	R
Naphthalene	4.332	5.0						3.342	0	20	
Phenanthrene	196.601	5.0						177.1	10.4	20	
Surr: 1,2-Dichlorobenzene-d4	16.328		33.29		49.0	14	120		0		
Surr: 2-Fluorobiphenyl	19.327		33.29		58.1	28	130		0		
Surr: Nitrobenzene-d5	22.659		33.29		68.1	23	150		0		

Sample ID: <b>N011009-017A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1647692</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	108.478	5.0	133.5	0	81.3	44	127				
Acenaphthene	107.143	5.0	133.5	1.994	78.8	50	125				
Acenaphthylene	161.883	5.0	133.5	36.89	93.6	52	125				
Anthracene	164.219	5.0	133.5	35.56	96.4	46	133				
Fluorene	126.168	5.0	133.5	7.976	88.5	50	131				
Naphthalene	100.467	5.0	133.5	5.317	71.3	45	125				
Surr: 1,2-Dichlorobenzene-d4	16.021		133.5		12.0	14	120				S
Surr: 2-Fluorobiphenyl	22.029		33.34		66.1	28	130				
Surr: Nitrobenzene-d5	24.700		33.34		74.1	23	150				

Sample ID: <b>N011008-022A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90384</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>		SeqNo: <b>1648144</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	46.605	50						272.8	0	20	
Benzo(a)pyrene	46.605	50						251.2	0	20	
Benzo(b)fluoranthene	39.947	50						361.5	0	20	
Benzo(g,h,i)perylene	33.289	50						27.24	0	20	
Benzo(k)fluoranthene	16.644	50						156.8	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-022A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90384</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>	SeqNo: <b>1648144</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	39.947	50						270.1	0	20	
Dibenz(a,h)anthracene	ND	50						9.967	0	20	
Indeno(1,2,3-cd)pyrene	23.302	50						29.57	0	20	
Surr: 4-Terphenyl-d14	29.960		33.26		90.1	19	165		0		

Sample ID: <b>N011009-017A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90392</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>	SeqNo: <b>1648512</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	327.103	50	133.5	192.8	101	63	141				
Chrysene	400.534	50	133.5	255.9	108	68	139				
Surr: 4-Terphenyl-d14	33.378		33.34		100	19	165				

Sample ID: <b>N011009-017A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90408</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649130</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	634.179	100	133.5	511.8	91.7	63	139				
Benzo(b)fluoranthene	587.450	100	133.5	458.6	96.5	63	151				
Benzo(g,h,i)perylene	567.423	100	133.5	332.3	176	59	148				S
Benzo(k)fluoranthene	280.374	100	133.5	162.8	88.1	61	151				
Dibenz(a,h)anthracene	120.160	100	133.5	19.94	75.1	59	146				
Indeno(1,2,3-cd)pyrene	320.427	100	133.5	159.5	121	59	142				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

# CHAIN OF CUSTODY RECORD

**FOR LABORATORY USE ONLY**

**Advanced Technology Laboratories INC.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

**Client: Geocon**  
 Attention: Rick Day, Luann Beadle, Livermore  
 Project Name: **Caltrans - Cedar Street Stockpiles**

Method of Transport:  Client  ATL  CA OverN  FedEx  Other: GSO

Sample Condition Upon Receipt:  1. CHILLED  2. HEADSPACE (VOA)  3. CONTAINER INTACT  4. SEALED  5. # OF SPLS MATCH COC  6. PRESERVED

Address: **6671 Brisa Street** City: **Livermore** State: **CA** Zip Code: **94550** Tel: **925-371-5900**  
 Project #: **E8560-02-55** Sampler: **Chris Merritt** (Printed Name) **Chris Merritt** (Signature) **CHRIS MERRITT** (Signature)  
 Relinquished by: **C. MERRITT** (Signature and Printed Name) Date: **9-12-13** Time: **1000**  
 Relinquished by: **C. MERRITT** (Signature and Printed Name) Date: **13SEPT13** Time: **1000**  
 Relinquished by: **C. MERRITT** (Signature and Printed Name) Date: **13SEPT13** Time: **1000**

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr /Submitter: **Chris Merritt**  
 Print Name: **C. MERRITT** Date: **9-12-13**  
 Signature: **C. MERRITT**

**Special Instructions/Comments:**  
 Please hold all samples until notified. Analysis not determined yet.

Circle or Add Analyst(s) Requested: **826B (Voliles), 8015B - GRO, EPA 7420 - CAM 17 Metals, EPA 8310 - PAHs, EPA 8081/8082 - Pesticides: PCBs, WATER, GROUND WATER, WASTEWATER**

LAB USE ONLY: Ratch #	Lab No.	Sample ID / Location	Sample Description	Date	Time	SPECIFY APPROPRIATE MATRIX		Container(s) Type	TAT	Q / Q C RTNE CT	REMARKS
						Z	N				
	H1-0			9/11/2013	950	X		E 1 T M C			HOLD
	H1-2			9/11/2013	955	X		E 1 T M C			
	H1-4			9/11/2013	1000	X		E 1 T M C			
	H2-0			9/11/2013	1005	X		E 1 T M C			
	H2-2			9/11/2013	1010	X		E 1 T M C			
	H2-4			9/11/2013	1015	X		E 1 T M C			
	H3-0			9/11/2013	1020	X		E 1 T M C			
	H3-2			9/11/2013	1025	X		E 1 T M C			
	H3-4			9/11/2013	1030	X		E 1 T M C			
	H4-0			9/11/2013	1040	X		E 1 T M C			

**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 P=Plastic M=Metal

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>



# CHAIN OF CUSTODY RECORD



**Advanced Technology Laboratories INC.**  
3151-3153 W. Post Rd.  
Las Vegas, NV 89118  
Tel: (702) 307-2659 • Fax: (702) 307-2691

**FOR LABORATORY USE ONLY**

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FedEx  
 Other: GSO

Sample Condition Upon Receipt  
 Y  N  4. SEALED  
 Y  N  5. # OF SPLS MATCH COC  
 Y  N  6. PRESERVED

1. CHILLED 3-8  
 2. HEADSPACE (VOA) 122  
 3. CONTAINER INTACT Y  N  GSO

Address: **6671 Brisa Street** State: **CA** Zip Code: **94550** Tel: **925-371-5900**  
 City: **Livermore** State: **CA** Zip Code: **925-371-5915** Fax: **925-371-5915**

Project #: \_\_\_\_\_  
 Sampler: \_\_\_\_\_ (Printed Name) **Chris Merritt**

Relinquished by: (Signature and Printed Name) E8560-02-55 Date: 9-12-13 Time: 6:50  
C. MERRITT Chris Merritt  
 Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
C. MERRITT \_\_\_\_\_  
 Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: See p. 1

Send Report To: Attn: **As Above**  
 Co: \_\_\_\_\_  
 Addr: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Bill To: Attn: **As Above**  
 Co: \_\_\_\_\_  
 Addr: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**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: \$.200 / sample /mo (after 45 days)  
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

LAB USE ONLY: Batch #	Sample ID / Location	Sample Description	Date	Time
<u>10108-21</u>	G3-8		9/11/2013	1220
<u>1-1</u>	G4-0		9/11/2013	1245
<u>1-1</u>	G4-4		9/11/2013	1250
<u>1-1</u>	G4-8		9/11/2013	1255
<u>1-1</u>	G5-0		9/11/2013	1305
<u>1-1</u>	G5-4		9/11/2013	1345
<u>1-27</u>	G5-8		9/11/2013	1400

**Analysis(es) Requested:**

Analysis(es) Requested	826B (Vialtes)	8015M - GR0	EPA 6010 - Lead	EPA 7420 - CAM 17 Metals	EPA 7196 - Chromium VI	EPA 8310 - PAHs	EPA 808/18082 - Pesticides - PCBs	WATER	GROUND WATER	SOIL
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Container Types:** T=Tube V=VOA L=Liter  
 TAT:  A = Overnight ≤ 24 hrs  
 B = Emergency Next Workday  
 C = Critical 2 Workdays  
 D = Urgent 3 Workdays  
 E = Routine 7 Workdays

**Preservatives:** H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH M=Metal

# CHAIN OF CUSTODY RECORD

## FOR LABORATORY USE ONLY



3151-3153 W. Post Rd.  
Las Vegas, NV 89118  
Tel: (702) 307-2659 • Fax: (702) 307-2691

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FedEx  
 Other: GSO

Sample Condition Upon Receipt  
 1. CHILLED  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** Address: **6671 Brisa Street** City: **Livermore** State: **CA** Zip Code: **94550** Tel: **925-371-5900**  
 Attention: **Rick Day, Luann Beadle, Livermore**

Project #: **E8560-02-55** Sampler: **Chris Merritt** (Printed Name) **Chris Merritt** (Signature) **Chris Merritt** (Signature)  
 Relinquished by: (Signature and Printed Name) **C. MERRITT** Date: **9-12-13** Received by: (Signature and Printed Name) **ISO Delivery** Date: **9-12-13**

Relinquished by: (Signature and Printed Name) **C. MERRITT** Date: **9-12-13** Received by: (Signature and Printed Name) **Chris Merritt** Date: **9-12-13**

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Received by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Received by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr / Submitter: **Chris Merritt**  
 Print Name: **Chris Merritt** Date: \_\_\_\_\_  
 Signature: **C. MERRITT**

Special Instructions/Comments: **Please hold all samples until notified. Analysis not determined yet.**

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)

LAB USE ONLY: T E M	Lab No.	Sample ID / Location	Sample Description	Date	Time	SPECIFY APPROPRIATE MATRIX		PRESERVATION		QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____	REMARKS		
						Container(s)	Type	TAT	Type				
	N01 1008	H1-0		9/11/2013	950	SOIL	T	M	E	1	M	C	HOLD
		H1-2		9/11/2013	955	GROUND WATER	T	M	E	1	M	C	
		H1-4		9/11/2013	1000	WASTEWATER	T	M	E	1	M	C	
		H2-0		9/11/2013	1005	SOIL	T	M	E	1	M	C	
		H2-2		9/11/2013	1010	SOIL	T	M	E	1	M	C	
		H2-4		9/11/2013	1015	SOIL	T	M	E	1	M	C	
		H3-0		9/11/2013	1020	SOIL	T	M	E	1	M	C	
		H3-2		9/11/2013	1025	SOIL	T	M	E	1	M	C	
		H3-4		9/11/2013	1030	SOIL	T	M	E	1	M	C	
		H4-0		9/11/2013	1040	SOIL	T	M	E	1	M	C	

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal  
 TAT:  A = Overnight ≤ 24 hrs  B = Emergency Next Workday  C = Critical 2 Workdays  D = Urgent 3 Workdays  E = Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

# CHAIN OF CUSTODY RECORD

**Advanced Technology Laboratories INC.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

**FOR LABORATORY USE ONLY**

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FedEx  
 Other: GSO

Sample Condition Upon Receipt  
 1. CHILLED  
 2. HEADSPACE (VOA)  
 3. CONTAINER INTACT  
 4. SEALED  
 5. # OF SPLS MATCH COC  
 6. PRESERVED

P.O. #: \_\_\_\_\_ Date: \_\_\_\_\_

Logged By: \_\_\_\_\_

Address: **6671 Brisa Street** State: **CA** Zip Code: **94550** Tel: **925-371-5900**

City: **Livermore** State: **CA** Zip Code: **94550** Fax: **925-371-5915**

Project #: \_\_\_\_\_

Sampler: \_\_\_\_\_ (Printed Name) **Chris Merritt**

Relinquished by: (Signature and Printed Name) **E8560-02-55** Date: **9-12-13** Time: **GSO**

Relinquished by: (Signature and Printed Name) **C. MERRITT** Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: **See p.1**

Bill To: **As Above** State: \_\_\_\_\_ Zip: \_\_\_\_\_

Attn: **As Above**

Co: \_\_\_\_\_

Addr: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Circle or Add Analysis(es) Requested: \_\_\_\_\_

Send Report To: **As Above**

Co: \_\_\_\_\_

Addr: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr /Submitter: **Chris Merritt**  
 Print Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature: *C. Merritt*

**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 worker /mo (after 1 year)

LAB USE ONLY: Batch #:	Lab No.	Sample ID / Location	Sample Description	Date	Time	SPECIFY APPROPRIATE MATRIX		RESERVATION		QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/>	SWRCB Logcode <input type="checkbox"/>	OTHER <input type="checkbox"/>	REMARKS
						Container(s)	Type	TAT	#				
	H4-2			9/11/2013	1045	X	WATER	E	1	T	M	C	<b>HOLD</b>
	H4-4			9/11/2013	1050	X	GROUND WATER	E	1	T	M	C	
	G1-0			9/11/2013	1130	X	SOIL	E	1	T	M	C	
	G1-4			9/11/2013	1135	X		E	1	T	M	C	
	G1-8			9/11/2013	1140	X		E	1	T	M	C	
	G2-0			9/11/2013	1145	X		E	1	T	M	C	
	G2-4			9/11/2013	1150	X		E	1	T	M	C	
	G2-8			9/11/2013	1155	X		E	1	T	M	C	
	G3-0			9/11/2013	1210	X		E	1	T	M	C	
	G3-4			9/11/2013	1215	X		E	1	T	M	C	

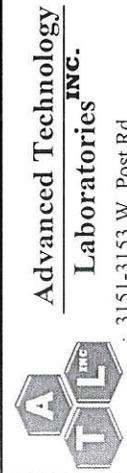
Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(Ac)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

TAT:  A = Overnight ≤ 24 hrs  B = Emergency Next Workday  C = Critical 2 Workdays  D = Urgent 3 Workdays  E = Routine 7 Workdays

■ TAT starts 8AM the following day if samples received after 3 PM

# CHAIN OF CUSTODY RECORD



3151-3153 W. Post Rd.  
Las Vegas, NV 89118  
Tel: (702) 307-2659 • Fax: (702) 307-2691

### FOR LABORATORY USE ONLY

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FedEx  
 Other: GSO

Sample Condition Upon Receipt  
 1. CHILLED  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** Address: **6671 Brisa Street** City: **Livermore** State: **CA** Zip Code: **94550** Tel: **925-371-5900**

Attention: **Rick Day, Luann Beadle, Livermore** Project #: **E8560-02-55** Sampler: **Chris Merritt** (Printed Name) **Chris Merritt** (Printed Name) Fax: **925-371-5915**

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.

Relinquished by: (Signature and Printed Name) C. MERRITT Date: 9-12-13 Time: 6:30  
 Received by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (Signature and Printed Name) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: See p.1

Bill To: As Above City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Attn: As Above Circle or Add Analysis(es) Requested: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Addr: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr /Submitter: **Chris Merritt**  
 Print Name C. MERRITT Date \_\_\_\_\_  
 Signature C. MERRITT

**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)

LAB USE ONLY: Batch #	Lab No.	Sample ID / Location	Sample Description	Date	Time	SPECIFY APPROPRIATE MATRIX		CONTAINER TYPE	TAT	REMARKS	QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB Logcode <input type="checkbox"/> OTHER <input type="checkbox"/>							
						WATER	SOIL											
	G3-8			9/11/2013	1220	X		EPA 808/1802 - Pesticides: PCBs	E	1	T	M	C					
	G4-0			9/11/2013	1245	X		EPA 8310 - PAHs	E	1	T	M	C					
	G4-4			9/11/2013	1250	X		EPA 7196 - Chromium VI	E	1	T	M	C					
	G4-8			9/11/2013	1255	X		EPA 7420 - CAM 17 Metals	E	1	T	M	C					
	G5-0			9/11/2013	1305	X		EPA 6070 - Lead	E	1	T	M	C					
	G5-4			9/11/2013	1345	X		8015B - DRO/RO (TPH/mo)	E	1	T	M	C					
	G5-8			9/11/2013	1400	X		8015M - GRO	E	1	T	M	C					

TAT starts 8AM the following day if samples received after 3 PM

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Bedlar G=Glass P=Plastic M=Metal

Urgent 3 Workdays  E = Routine 7 Workdays

Critical 2 Workdays  D =

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

# Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 9/13/2013 Workorder: N011008  
 Rep sample Temp (Deg C): 5.8 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: GSO  
 Last 4 digits of Tracking No.: 2611 Packing Material Used: None  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

## Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 13. Water - VOA vials have zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 14. Water - pH acceptable upon receipt?<br>Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 15. Did the bottle labels indicate correct preservatives used?                          | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 16. Were there Non-Conformance issues at login?<br>Was Client notified?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
|   | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |

Comments:

Checklist Completed By: MBC *MBC* 9/16/2013

Reviewed By: *[Signature]*

	<b>&lt; WebShip &gt; &gt; &gt; &gt; &gt;</b> <b>800-322-5555 www.gso.com</b>	
<b>Ship From:</b> GEOCON - LIVERMORE OFFICE GEOCON, INC. 6671 BRISA STREET LIVERMORE, CA 94550	<b>Tracking #:</b> 522732611 	<b>PDS</b>
<b>Ship To:</b> <b>SAMPLE RECEIVING</b> <b>ADVANCED TECHNOLOGY LABS -</b> <b>LAS VEGAS</b> <b>3151 W. POST ROAD</b> <b>LAS VEGAS, NV 89118</b>		
<b>COD:</b> \$0.00	<div style="text-align: center;"> <b>D89103A</b>            15983573       </div>	
<b>Reference:</b> E8560-02-55	<small>Print Date - 09/12/13 15:47 PM</small>	
<b>Delivery Instructions:</b> ONE LARGE AND HEAVY ICE CHEST		
<b>Signature Type:</b> SIGNATURE REQUIRED		

**Package 1 of 1**

 Print All



### LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

### ADDITIONAL OPTIONS:



### TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or \$100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is \$500. For other shipments the highest declared value is \$10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is \$500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

## ATLInc Reports

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**From:** Luann Beadle <beadle@geoconinc.com>  
**Sent:** Monday, September 16, 2013 2:32 PM  
**To:** Advanced Technology Labs, Inc.  
**Subject:** Caltrans TO-55 Cedar St  
**Attachments:** MX-5111N\_20130916\_142847.pdf

Hi Marlon and Glen,

Attached is a scan of the COC's for this project. I noted necessary changes in red ink and initialed nearby. Please proceed with the analyses as shown here. The TAT is still standard. If you could, please send results to Rick Day as well. I may be on vacation when they come in, as noted below.

Thank you for your patience. I appreciate it.

Sincerely,  
Luann

**I will be on vacation September 23<sup>rd</sup> through 27<sup>th</sup> . If you need assistance during that time, please contact Rick Day at (925) 961-5270.**



**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](mailto:beadle@geoconinc.com)

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October 07, 2013

Rick Day  
Geocon Consultants, Inc.  
6671 Brisa Street  
Livermore, CA 94550

TEL: (925) 371-5900  
FAX: (925) 371-5915

CA-ELAP No.:2676  
NV Cert. No.:NV-009222007A

Workorder No.: N011008

RE: Caltrans - Cedar Street Stockpiles, E8560-02-55

Attention: Rick Day

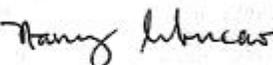
Enclosed are the results for sample(s) received on September 13, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

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

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

for 

Jose Tenorio Jr.  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



Advanced Technology  
Laboratories, Inc.

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55  
**Lab Order:** N011008

---

**CASE NARRATIVE**

Analytical Comments for EPA 6010B\_STLC:

Matrix Spike Duplicate (MSD) on QC sample N011008-003A-MSD is outside recovery criteria for Lead possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:00:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: <b>CEI</b>
Lead	30	0.050	mg/L
			5
			10/4/2013 08:41 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G3-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:15:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: <b>CEI</b>
Chromium	0.068	0.050	mg/L
			5
			10/4/2013 09:09 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G4-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:55:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-024		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS BY STLC

WET/ EPA 6010B

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	8.2	0.050	mg/L
		5	10/4/2013 09:44 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology Laboratories, Inc.

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_ST**

Sample ID: <b>MB1-R90596</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654913</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.000252	0.010									
Lead	ND	0.010									

Sample ID: <b>MB1-43998</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.000602	0.010									
Lead	ND	0.010									

Sample ID: <b>MB2-43998</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654915</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.000612	0.010									
Lead	ND	0.010									

Sample ID: <b>LCS1-R90596</b>	SampType: <b>LCS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654916</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.490	0.010	0.5000	0	98.1	85	115				
Lead	0.490	0.010	0.5000	0	98.0	85	115				

Sample ID: <b>N011008-003A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654918</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**Qualifiers:**

- B Analyte detected in the associated Method Blank
  - ND Not Detected at the Reporting Limit
  - DO Surrogate Diluted Out
  - E Value above quantitation range
  - R RPD outside accepted recovery limits
  - H Holding times for preparation or analysis exceeded
  - S Spike/Surrogate outside of limits due to matrix interference
- Calculations are based on raw values



Advanced Technology Laboratories, Inc.

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011008-003A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654918</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.499	0.050						0.5266	5.33	20	
Lead	26.080	0.050						30.14	14.4	20	

Sample ID: <b>N011008-003A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.859	0.050	2.500	0.5266	93.3	75	125				
Lead	32.151	0.050	2.500	30.14	80.5	75	125				

Sample ID: <b>N011008-003A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654921</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.847	0.050	2.500	0.5266	92.8	75	125	2.859	0.420	20	
Lead	31.908	0.050	2.500	30.14	70.8	75	125	32.15	0.759	20	S

Sample ID: <b>N011009-016A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654934</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.163	0.050						0.1714	5.04	20	
Lead	1.365	0.050						1.441	5.44	20	

Sample ID: <b>N011009-016A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654937</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.685	0.050	2.500	0.1714	101	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          |  |  |
| Calculations are based on raw values              |  |  |



**Advanced Technology  
 Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011009-016A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654937</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.983	0.050	2.500	1.441	102	75	125				

Sample ID: <b>MB2-R90596</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654949</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	0.010									
Lead	ND	0.010									

Sample ID: <b>MB1-43999</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654950</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.000597	0.010									
Lead	ND	0.010									

Sample ID: <b>MB2-43999</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654951</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.000528	0.010									
Lead	ND	0.010									

Sample ID: <b>LCS1-R90596</b>	SampType: <b>LCS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654952</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.493	0.010	0.5000	0	98.6	85	115				
Lead	0.492	0.010	0.5000	0	98.4	85	115				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011009-044A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654954</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.263	0.050						0.2266	15.0	20	
Lead	4.263	0.050						3.958	7.43	20	

Sample ID: <b>N011009-044A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654956</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.497	0.050	2.500	0.2266	90.8	75	125				
Lead	6.184	0.050	2.500	3.958	89.1	75	125				

Sample ID: <b>N011009-044A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654957</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.509	0.050	2.500	0.2266	91.3	75	125	2.497	0.469	20	
Lead	6.183	0.050	2.500	3.958	89.0	75	125	6.184	0.0287	20	

Sample ID: <b>N011009-088A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654970</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.199	0.050						0.2224	11.3	20	
Lead	2.113	0.050						2.815	28.5	20	R

Sample ID: <b>N011009-088A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654975</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.452	0.050	2.500	0.2224	89.2	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          |  |  |
| Calculations are based on raw values              |  |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011009-088A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654975</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.002	0.050	2.500	2.815	87.5	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

## Nancy Sibucão

---

**From:** Luann Beadle [[beadle@geoconinc.com](mailto:beadle@geoconinc.com)]  
**Sent:** Tuesday, October 01, 2013 1:51 PM  
**To:** Advanced Technology Labs, Inc.  
**Subject:** Lab Order N011009 TO-55 Cedar St

Hi ATL,

Please run WET analyses for the following samples, as indicated:

N011009-030A	B5-5	Arsenic
N011009-005A	A2-4	Chromium
N011009-009A	A3-7.5	Chromium
N011008-020A	G3-4	Chromium
N011009-006A	A2-7.5	Chromium
N011009-074A	C3-6	Chromium
N011009-010A	A4-0	Lead
N011009-073A	C3-3	Lead
N011009-001A	A1-0	Lead
N011009-007A	A3-0	Lead
N011009-021A	B3-0	Lead
N011009-058A	E1-3	Lead
N011009-064A	E3-3	Lead
N011009-074A	C3-6	Lead
N011009-017A	B2-0	Lead
N011009-016A	B1-15.5	Lead
N011009-004A	A2-0	Lead
N011009-052A	D3-4	Lead
N011009-044A	B8-15.5	Lead
N011009-065A	E3-6	Lead
N011009-088A	E4-6	Lead
N011009-	E4-3	Lead



Advanced Technology  
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087A		
N011009-047A	D1-7.5	Lead
N011009-006A	A2-7.5	Lead
N011009-081A	D6-3	Lead
N011009-039A	B7-10	Lead
N011008-024A	G4-8	Lead
N011009-038A	B7-5	Lead
N011009-022A	B3-5	Lead
N011009-030A	B5-5	Lead
N011009-042A	B8-5	Lead
N011009-041A	B8-0	Lead
N011009-034A	B6-5	Lead
N011008-003A	H1-4	Lead

And TCLP on:

N011009-086A	E4-0	Lead
--------------	------	------

Regular TAT please.

Thank you,  
Luann



**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](mailto:beadle@geoconinc.com)

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**Advanced Technology  
 Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

November 01, 2013

Rick Day  
Geocon Consultants, Inc.  
6671 Brisa Street  
Livermore, CA 94550

TEL: (925) 371-5900  
FAX: (925) 371-5915

CA-ELAP No.:2676  
NV Cert. No.:NV-009222007A

Workorder No.: N011008

RE: Caltrans - Cedar Street Stockpiles, E8560-02-55

Attention: Rick Day

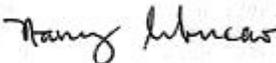
Enclosed are the results for sample(s) received on September 13, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

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

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

for 

Jose Tenorio Jr.  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



Advanced Technology  
Laboratories, Inc.

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

---

**CLIENT:** Geocon Consultants, Inc.  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55  
**Lab Order:** N011008

---

**CASE NARRATIVE**

Analytical Comments for EPA 1311/6010B:

RPD for sample duplicate N011008-003 is outside criteria ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	H1-4
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 10:00:00 AM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>	<b>EPA 1311/ 6010B</b>				
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	0.66	0.25		mg/L	1	10/31/2013 11:09 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	G4-8
<b>Lab Order:</b>	N011008	<b>Collection Date:</b>	9/11/2013 12:55:00 PM
<b>Project:</b>	Caltrans - Cedar Street Stockpiles, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011008-024		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					<b>EPA 1311/ 6010B</b>
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 11:53 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_TCPB**

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>MB-44210</b>	<b>MBLK</b>	<b>6010_TCPB</b>	<b>mg/L</b>	<b>10/29/2013</b>	<b>90984</b>						
<b>Client ID: PBS</b>	<b>Batch ID: 44210</b>	<b>TestNo: EPA 1311/ 60 EPA 3010A</b>		<b>Analysis Date: 10/31/2013</b>	<b>SeqNo: 1673429</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>MB1-44202 TCLP</b>	<b>MBLK</b>	<b>6010_TCPB</b>	<b>mg/L</b>	<b>10/29/2013</b>	<b>90984</b>						
<b>Client ID: PBS</b>	<b>Batch ID: 44210</b>	<b>TestNo: EPA 1311/ 60 EPA 3010A</b>		<b>Analysis Date: 10/31/2013</b>	<b>SeqNo: 1673430</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>MB2-44202 TCLP</b>	<b>MBLK</b>	<b>6010_TCPB</b>	<b>mg/L</b>	<b>10/29/2013</b>	<b>90984</b>						
<b>Client ID: PBS</b>	<b>Batch ID: 44210</b>	<b>TestNo: EPA 1311/ 60 EPA 3010A</b>		<b>Analysis Date: 10/31/2013</b>	<b>SeqNo: 1673431</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

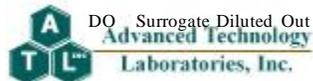
Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>LCS-44210</b>	<b>LCS</b>	<b>6010_TCPB</b>	<b>mg/L</b>	<b>10/29/2013</b>	<b>90984</b>						
<b>Client ID: LCSS</b>	<b>Batch ID: 44210</b>	<b>TestNo: EPA 1311/ 60 EPA 3010A</b>		<b>Analysis Date: 10/31/2013</b>	<b>SeqNo: 1673432</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.531	0.25	0.5000	0	106	85	115				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N011008-003A-DUP</b>	<b>DUP</b>	<b>6010_TCPB</b>	<b>mg/L</b>	<b>10/29/2013</b>	<b>90984</b>						
<b>Client ID: ZZZZZZ</b>	<b>Batch ID: 44210</b>	<b>TestNo: EPA 1311/ 60 EPA 3010A</b>		<b>Analysis Date: 10/31/2013</b>	<b>SeqNo: 1673438</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.515	0.25						0.6632	25.2	20	R

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011008  
**Project:** Caltrans - Cedar Street Stockpiles, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TCPB**

Sample ID: <b>N011008-003A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673443</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.083	0.25	0.5000	0.6632	84.0	75	125				

Sample ID: <b>N011008-003A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673444</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.123	0.25	0.5000	0.6632	92.0	75	125	1.083	3.65	20	

Sample ID: <b>N011009-081A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673459</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.03518	0	20	

Sample ID: <b>N011009-081A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673460</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.541	0.25	0.5000	0.03518	101	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



Advanced Technology  
Laboratories, Inc.

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

## Nancy Sibucan

---

**From:** Luann Beadle [[beadle@geoconinc.com](mailto:beadle@geoconinc.com)]  
**Sent:** Friday, October 25, 2013 7:45 AM  
**To:** Advanced Technology Labs, Inc.  
**Subject:** TO-55 Cedar St Lab Orders N1011008 and N011009

Hi ATL,

Please run TCLP lead on the following samples from these two lab orders:

D6-3  
D1-7.5  
D3-4  
A2-7.5  
B8-5  
B7-10  
G4-8  
B5-5  
B8-0  
B7-5  
H1-4

Regular TAT please.

Thanks,  
Luann



**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](mailto: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.

September 25, 2013

Rebecca Silva  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

CA-ELAP No.:2676  
NV Cert. No.:NV-009222007A

TEL: (916) 852-9118  
FAX: (916) 852-9132

Workorder No.: N011009

RE: 800 Cedar St, E8560-02-55

Attention: Rebecca Silva

Enclosed are the results for sample(s) received on September 13, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

  
Jose Tenorio Jr.  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** 800 Cedar St, E8560-02-55  
**Lab Order:** N011009

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**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

**Analytical Comments for EPA 6010B:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike(MS) and Matrix Spike Duplicate(MSD) is outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for sample duplicate is outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Method Blanks for Batch 43923 has hit above the reporting limit for Zinc but less than 1/10 of the amount measured in sample.

**Analytical Comments for EPA 7196:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

**Analytical Comments for EPA 8015B DRO:**

Surrogate recovery outside recovery criteria for sample N011009-048 possibly due to matrix interference. Sample extract was black and viscous.

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** 800 Cedar St, E8560-02-55  
**Lab Order:** N011009

## CASE NARRATIVE

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RPDs for sample duplicates N011008-024ADUP , N011009-04ADUP, N011009-049ADUP are outside criteria possibly due to non-homogeneity of sample.

RPD for Matrix Spike(MS) and Matrix Spike Duplicate(MSD) on N011009-075A-MS/MSD is outside criteria ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 8081A:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for sample duplicate N011009-006 is outside criteria for gamma-Chlordane ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Surrogate Tetrachloro-m-xylene recovery bias low on sample N011009-002 possibly due to matrix interference. The other surrogate was recovered within control limits.

Analytical Comments for EPA 8082:

Surrogate Tetrachloro-m-xylene recovery bias low on sample N011009-002 possibly due to matrix interference. The other surrogate was recovered within control limits.

Analytical Comments for EPA 8260B:

Surrogate Toluene-d8 recovery bias low on sample N011009-039 possibly due to matrix interference. The other surrogates were recovered within control limits.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike(MS) and Matrix Spike Duplicate(MSD) is outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 8270C\_SIM:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes



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**CLIENT:** Geocon Consultants, Inc.  
**Project:** 800 Cedar St, E8560-02-55  
**Lab Order:** N011009

## CASE NARRATIVE

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possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

RPD for Matrix Spike(MS) and Matrix Spike Duplicate(MSD) is outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for sample duplicates are outside criteria for some analytes ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Internal Standards Perylene-d12 and Chrysene-d12 low bias on most of the samples possibly due to matrix interference. Samples were analyzed with dilution and internal standard met method criteria. Affected analytes for these failed internal standards were reported at a dilution that meet internal standard recovery limit.



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-001

**Client Sample ID:** A1-0  
**Collection Date:** 9/11/2013 9:55:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130918A	QC Batch: 43899				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
DRO	53	1.0		mg/Kg	1	9/18/2013 07:07 PM
ORO	140	1.0		mg/Kg	1	9/18/2013 07:07 PM
Surr: p-Terphenyl	68.9	59-127		%REC	1	9/18/2013 07:07 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.16	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913				PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/20/2013 12:20 PM
Arsenic	4.9	1.0		mg/Kg	1	9/20/2013 12:20 PM
Barium	100	1.0		mg/Kg	1	9/20/2013 12:20 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 12:20 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 12:20 PM
Chromium	36	1.0		mg/Kg	1	9/20/2013 12:20 PM
Cobalt	9.2	1.0		mg/Kg	1	9/20/2013 12:20 PM
Copper	31	2.0		mg/Kg	1	9/20/2013 12:20 PM
Lead	58	1.0		mg/Kg	1	9/20/2013 12:20 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 12:20 PM
Nickel	32	1.0		mg/Kg	1	9/20/2013 12:20 PM
Selenium	1.2	1.0		mg/Kg	1	9/20/2013 12:20 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 12:20 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 12:20 PM
Vanadium	33	1.0		mg/Kg	1	9/20/2013 12:20 PM
Zinc	87	1.0		mg/Kg	1	9/20/2013 12:20 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A1-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 9:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 05:13 PM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A1-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 9:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 05:13 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
MTBE	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 05:13 PM
Surr: 1,2-Dichloroethane-d4	88.1	63-139	%REC	1	9/19/2013 05:13 PM
Surr: 4-Bromofluorobenzene	91.2	75-124	%REC	1	9/19/2013 05:13 PM
Surr: Dibromofluoromethane	89.8	70-133	%REC	1	9/19/2013 05:13 PM
Surr: Toluene-d8	96.9	80-123	%REC	1	9/19/2013 05:13 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130918A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	17	1.0	mg/Kg	1	9/18/2013 07:33 PM
ORO	50	1.0	mg/Kg	1	9/18/2013 07:33 PM
Surr: p-Terphenyl	79.4	59-127	%REC	1	9/18/2013 07:33 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A1-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 9:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B				EPA 8081A		
RunID:	QC Batch:			PrepDate:		Analyst:
GC7_130919A	43887			9/17/2013		MDM
4,4'-DDD	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
4,4'-DDE	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
4,4'-DDT	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
Aldrin	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
alpha-BHC	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
alpha-Chlordane	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
beta-BHC	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
Chlordane	ND	8.5		µg/Kg	1	9/19/2013 06:07 AM
delta-BHC	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
Dieldrin	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
Endosulfan I	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
Endosulfan II	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
Endrin	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
Endrin ketone	ND	2.0		µg/Kg	1	9/19/2013 06:07 AM
gamma-BHC	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
Heptachlor	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/19/2013 06:07 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/19/2013 06:07 AM
Toxaphene	ND	85		µg/Kg	1	9/19/2013 06:07 AM
Surr: Tetrachloro-m-xylene	27.2	28-161	S	%REC	1	9/19/2013 06:07 AM
Surr: Decachlorobiphenyl	31.9	28-120		%REC	1	9/19/2013 06:07 AM

**PCBS BY GC/ECD**

EPA 3550B				EPA 8082		
RunID:	QC Batch:			PrepDate:		Analyst:
GC7_130917B	43887			9/17/2013		MDM
Aroclor 1016	ND	16		µg/Kg	1	9/18/2013 08:21 AM
Aroclor 1221	ND	33		µg/Kg	1	9/18/2013 08:21 AM
Aroclor 1232	ND	16		µg/Kg	1	9/18/2013 08:21 AM
Aroclor 1242	ND	16		µg/Kg	1	9/18/2013 08:21 AM
Aroclor 1248	ND	16		µg/Kg	1	9/18/2013 08:21 AM
Aroclor 1254	ND	16		µg/Kg	1	9/18/2013 08:21 AM
Aroclor 1260	ND	16		µg/Kg	1	9/18/2013 08:21 AM
Surr: Decachlorobiphenyl	36.5	40-146	S	%REC	1	9/18/2013 08:21 AM
Surr: Tetrachloro-m-xylene	34.6	32-109		%REC	1	9/18/2013 08:21 AM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-002

**Client Sample ID:** A1-4  
**Collection Date:** 9/11/2013 9:57:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 06:22 PM
Surr: Chlorobenzene - d5	92.6	51-136	%REC	1	9/18/2013 06:22 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.12	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 12:52 PM
Arsenic	6.5	1.0	mg/Kg	1	9/20/2013 12:52 PM
Barium	110	1.0	mg/Kg	1	9/20/2013 12:52 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 12:52 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 12:52 PM
Chromium	33	1.0	mg/Kg	1	9/20/2013 12:52 PM
Cobalt	9.7	1.0	mg/Kg	1	9/20/2013 12:52 PM
Copper	21	2.0	mg/Kg	1	9/20/2013 12:52 PM
Lead	21	1.0	mg/Kg	1	9/20/2013 12:52 PM
Molybdenum	ND	1.0	mg/Kg	1	9/20/2013 12:52 PM
Nickel	42	1.0	mg/Kg	1	9/20/2013 12:52 PM
Selenium	ND	1.0	mg/Kg	1	9/20/2013 12:52 PM
Silver	ND	1.0	mg/Kg	1	9/20/2013 12:52 PM
Thallium	ND	1.0	mg/Kg	1	9/20/2013 12:52 PM
Vanadium	35	1.0	mg/Kg	1	9/20/2013 12:52 PM
Zinc	43	1.0	mg/Kg	1	9/20/2013 12:52 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A1-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 9:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130919A	QC Batch:	Q13VS001	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/19/2013 05:56 PM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Benzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Bromoform	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Chloroform	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A1-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 9:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130919A	QC Batch: Q13VS001	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
m,p-Xylene	ND	10	µg/Kg	1	9/19/2013 05:56 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
MTBE	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
o-Xylene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Styrene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Toluene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/19/2013 05:56 PM
Surr: 1,2-Dichloroethane-d4	88.7	63-139	%REC	1	9/19/2013 05:56 PM
Surr: 4-Bromofluorobenzene	89.0	75-124	%REC	1	9/19/2013 05:56 PM
Surr: Dibromofluoromethane	50.7	70-133	%REC	1	9/19/2013 05:56 PM
Surr: Toluene-d8	95.6	80-123	%REC	1	9/19/2013 05:56 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC3_130918A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	36	1.0	mg/Kg	1	9/18/2013 07:59 PM
ORO	81	1.0	mg/Kg	1	9/18/2013 07:59 PM
Surr: p-Terphenyl	95.7	59-127	%REC	1	9/18/2013 07:59 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-003

**Client Sample ID:** A1-7.5  
**Collection Date:** 9/11/2013 9:59:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 01:01 PM
Surr: Chlorobenzene - d5	107	51-136	%REC	1	9/18/2013 01:01 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920C	QC Batch: 43905	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	12	5.0	mg/Kg	1	9/20/2013 06:56 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A2-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:15:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898			PrepDate:	9/18/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/18/2013 03:34 PM
Acenaphthene	ND	5.0		µg/Kg	1	9/18/2013 03:34 PM
Acenaphthylene	24	5.0		µg/Kg	1	9/18/2013 03:34 PM
Anthracene	27	5.0		µg/Kg	1	9/18/2013 03:34 PM
Benzo(a)anthracene	140	5.0		µg/Kg	1	9/18/2013 03:34 PM
Benzo(a)pyrene	380	50		µg/Kg	10	9/22/2013 01:38 PM
Benzo(b)fluoranthene	330	50		µg/Kg	10	9/22/2013 01:38 PM
Benzo(g,h,i)perylene	380	50		µg/Kg	10	9/22/2013 01:38 PM
Benzo(k)fluoranthene	100	50		µg/Kg	10	9/22/2013 01:38 PM
Chrysene	200	5.0		µg/Kg	1	9/18/2013 03:34 PM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/22/2013 01:38 PM
Fluoranthene	470	50		µg/Kg	10	9/22/2013 01:38 PM
Fluorene	6.0	5.0		µg/Kg	1	9/18/2013 03:34 PM
Indeno(1,2,3-cd)pyrene	180	50		µg/Kg	10	9/22/2013 01:38 PM
Naphthalene	ND	5.0		µg/Kg	1	9/18/2013 03:34 PM
Phenanthrene	160	5.0		µg/Kg	1	9/18/2013 03:34 PM
Pyrene	870	50		µg/Kg	10	9/22/2013 01:38 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120		%REC	1	9/18/2013 03:34 PM
Surr: 2-Fluorobiphenyl	68.1	28-130		%REC	1	9/18/2013 03:34 PM
Surr: 4-Terphenyl-d14	121	19-165		%REC	1	9/18/2013 03:34 PM
Surr: Nitrobenzene-d5	83.1	23-150		%REC	1	9/18/2013 03:34 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130920C	QC Batch: 43905			PrepDate:	9/18/2013	Analyst: <b>JT</b>
Lead	71	5.0		mg/Kg	1	9/20/2013 07:22 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A2-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:17:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	25	µg/Kg	5	9/18/2013 04:02 PM	
Acenaphthene	ND	25	µg/Kg	5	9/18/2013 04:02 PM	
Acenaphthylene	ND	25	µg/Kg	5	9/18/2013 04:02 PM	
Anthracene	ND	25	µg/Kg	5	9/18/2013 04:02 PM	
Benzo(a)anthracene	27	25	µg/Kg	5	9/18/2013 04:02 PM	
Benzo(a)pyrene	ND	250	µg/Kg	50	9/22/2013 02:06 PM	
Benzo(b)fluoranthene	ND	250	µg/Kg	50	9/22/2013 02:06 PM	
Benzo(g,h,i)perylene	ND	250	µg/Kg	50	9/22/2013 02:06 PM	
Benzo(k)fluoranthene	ND	250	µg/Kg	50	9/22/2013 02:06 PM	
Chrysene	52	25	µg/Kg	5	9/18/2013 04:02 PM	
Dibenz(a,h)anthracene	ND	250	µg/Kg	50	9/22/2013 02:06 PM	
Fluoranthene	55	25	µg/Kg	5	9/18/2013 04:02 PM	
Fluorene	ND	25	µg/Kg	5	9/18/2013 04:02 PM	
Indeno(1,2,3-cd)pyrene	ND	250	µg/Kg	50	9/22/2013 02:06 PM	
Naphthalene	ND	25	µg/Kg	5	9/18/2013 04:02 PM	
Phenanthrene	25	25	µg/Kg	5	9/18/2013 04:02 PM	
Pyrene	58	25	µg/Kg	5	9/18/2013 04:02 PM	
Surr: 1,2-Dichlorobenzene-d4	35.0	14-120	%REC	5	9/18/2013 04:02 PM	
Surr: 2-Fluorobiphenyl	45.0	28-130	%REC	5	9/18/2013 04:02 PM	
Surr: 4-Terphenyl-d14	105	19-165	%REC	5	9/18/2013 04:02 PM	
Surr: Nitrobenzene-d5	50.1	23-150	%REC	5	9/18/2013 04:02 PM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A			
RunID: AA1_130918E	QC Batch: 43890	PrepDate:	9/17/2013	Analyst:	JT
Mercury	ND	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920B	QC Batch: 43913	PrepDate:	9/19/2013	Analyst:	JT
Antimony	ND	2.0	mg/Kg	1	9/20/2013 01:18 PM
Arsenic	5.1	1.0	mg/Kg	1	9/20/2013 01:18 PM
Barium	150	1.0	mg/Kg	1	9/20/2013 01:18 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 01:18 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 01:18 PM
Chromium	51	1.0	mg/Kg	1	9/20/2013 01:18 PM
Cobalt	11	1.0	mg/Kg	1	9/20/2013 01:18 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A2-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:17:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130920B	QC Batch: 43913			PrepDate:	9/19/2013	Analyst: JT
Copper	28	2.0		mg/Kg	1	9/20/2013 01:18 PM
Lead	8.4	1.0		mg/Kg	1	9/20/2013 01:18 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 01:18 PM
Nickel	54	1.0		mg/Kg	1	9/20/2013 01:18 PM
Selenium	1.3	1.0		mg/Kg	1	9/20/2013 01:18 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 01:18 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 01:18 PM
Vanadium	34	1.0		mg/Kg	1	9/20/2013 01:18 PM
Zinc	45	1.0		mg/Kg	1	9/20/2013 01:18 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A2-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:19:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HEXAVALENT CHROMIUM**

**EPA 3060A**

**EPA 7196A**

RunID: WETCHEM_130920C	QC Batch: 43908			PrepDate: 9/19/2013	Analyst: QBM
Chromium, Hexavalent	ND	1.0	mg/Kg	1	9/20/2013

**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130918A	QC Batch: 43898			PrepDate: 9/18/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 04:30 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 04:30 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/18/2013 04:30 PM
Anthracene	8.4	5.0	µg/Kg	1	9/18/2013 04:30 PM
Benzo(a)anthracene	110	5.0	µg/Kg	1	9/18/2013 04:30 PM
Benzo(a)pyrene	110	50	µg/Kg	10	9/22/2013 02:33 PM
Benzo(b)fluoranthene	140	50	µg/Kg	10	9/22/2013 02:33 PM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/22/2013 02:33 PM
Benzo(k)fluoranthene	60	50	µg/Kg	10	9/22/2013 02:33 PM
Chrysene	120	5.0	µg/Kg	1	9/18/2013 04:30 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 02:33 PM
Fluoranthene	100	5.0	µg/Kg	1	9/18/2013 04:30 PM
Fluorene	ND	5.0	µg/Kg	1	9/18/2013 04:30 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/22/2013 02:33 PM
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 04:30 PM
Phenanthrene	33	5.0	µg/Kg	1	9/18/2013 04:30 PM
Pyrene	110	5.0	µg/Kg	1	9/18/2013 04:30 PM
Surr: 1,2-Dichlorobenzene-d4	35.0	14-120	%REC	1	9/18/2013 04:30 PM
Surr: 2-Fluorobiphenyl	52.1	28-130	%REC	1	9/18/2013 04:30 PM
Surr: 4-Terphenyl-d14	132	19-165	%REC	1	9/18/2013 04:30 PM
Surr: Nitrobenzene-d5	52.1	23-150	%REC	1	9/18/2013 04:30 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887			PrepDate: 9/17/2013	Analyst: MDM
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-006

**Client Sample ID:** A2-7.5  
**Collection Date:** 9/11/2013 10:19:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID:	QC Batch:	43887	PrepDate:	9/17/2013	Analyst:	MDM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 07:25 AM	
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM	
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM	
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM	
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM	
Endrin	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 07:25 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 07:25 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 07:25 AM	
Toxaphene	ND	85	µg/Kg	1	9/19/2013 07:25 AM	
Surr: Tetrachloro-m-xylene	62.1	28-161	%REC	1	9/19/2013 07:25 AM	
Surr: Decachlorobiphenyl	54.0	28-120	%REC	1	9/19/2013 07:25 AM	

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID:	QC Batch:	43887	PrepDate:	9/17/2013	Analyst:	MDM
Aroclor 1016	ND	17	µg/Kg	1	9/18/2013 08:51 AM	
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 08:51 AM	
Aroclor 1232	ND	17	µg/Kg	1	9/18/2013 08:51 AM	
Aroclor 1242	ND	17	µg/Kg	1	9/18/2013 08:51 AM	
Aroclor 1248	ND	17	µg/Kg	1	9/18/2013 08:51 AM	
Aroclor 1254	ND	17	µg/Kg	1	9/18/2013 08:51 AM	
Aroclor 1260	ND	17	µg/Kg	1	9/18/2013 08:51 AM	
Surr: Decachlorobiphenyl	60.3	40-146	%REC	1	9/18/2013 08:51 AM	
Surr: Tetrachloro-m-xylene	65.0	32-109	%REC	1	9/18/2013 08:51 AM	

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID:	QC Batch:	43890	PrepDate:	9/17/2013	Analyst:	JT
Mercury	0.20	0.10	mg/Kg	1	9/18/2013	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A2-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:19:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130920B	QC Batch: 43913			PrepDate: 9/19/2013		Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/20/2013 01:25 PM
Arsenic	10	1.0		mg/Kg	1	9/20/2013 01:25 PM
Barium	160	1.0		mg/Kg	1	9/20/2013 01:25 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 01:25 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 01:25 PM
Chromium	61	1.0		mg/Kg	1	9/20/2013 01:25 PM
Cobalt	12	1.0		mg/Kg	1	9/20/2013 01:25 PM
Copper	34	2.0		mg/Kg	1	9/20/2013 01:25 PM
Lead	110	1.0		mg/Kg	1	9/20/2013 01:25 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 01:25 PM
Nickel	72	1.0		mg/Kg	1	9/20/2013 01:25 PM
Selenium	1.4	1.0		mg/Kg	1	9/20/2013 01:25 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 01:25 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 01:25 PM
Vanadium	43	1.0		mg/Kg	1	9/20/2013 01:25 PM
Zinc	75	1.0		mg/Kg	1	9/20/2013 01:25 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A3-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:25:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	67	5.0	mg/Kg	5	9/20/2013 10:36 AM
ORO	210	5.0	mg/Kg	5	9/20/2013 10:36 AM
Surr: p-Terphenyl	77.9	59-127	%REC	5	9/20/2013 10:36 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
4,4'-DDD	2.2	2.0	µg/Kg	1	9/19/2013 08:29 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
4,4'-DDT	5.8	2.0	µg/Kg	1	9/19/2013 08:29 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
alpha-Chlordane	9.3	1.0	µg/Kg	1	9/19/2013 08:29 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 08:29 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
Endrin	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 08:29 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
gamma-Chlordane	1.0	1.0	µg/Kg	1	9/19/2013 08:29 AM
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 08:29 AM
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 08:29 AM
Toxaphene	ND	85	µg/Kg	1	9/19/2013 08:29 AM
Surr: Tetrachloro-m-xylene	46.7	28-161	%REC	1	9/19/2013 08:29 AM
Surr: Decachlorobiphenyl	46.5	28-120	%REC	1	9/19/2013 08:29 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130917B	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>		
Aroclor 1016	ND	16	µg/Kg	1	9/18/2013 10:31 AM
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 10:31 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-007

**Client Sample ID:** A3-0  
**Collection Date:** 9/11/2013 10:25:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**PCBS BY GC/ECD**

EPA 3550B		EPA 8082	
RunID: GC7_130917B	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>
Aroclor 1232	ND	16	µg/Kg
Aroclor 1242	ND	16	µg/Kg
Aroclor 1248	ND	16	µg/Kg
Aroclor 1254	ND	16	µg/Kg
Aroclor 1260	ND	16	µg/Kg
Surr: Decachlorobiphenyl	63.9	40-146	%REC
Surr: Tetrachloro-m-xylene	48.9	32-109	%REC

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A	
RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.25	0.10	mg/Kg

**ICP METALS**

EPA 3050B		EPA 6010B	
RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0	mg/Kg
Arsenic	4.8	1.0	mg/Kg
Barium	130	1.0	mg/Kg
Beryllium	ND	1.0	mg/Kg
Cadmium	ND	1.0	mg/Kg
Chromium	36	1.0	mg/Kg
Cobalt	8.6	1.0	mg/Kg
Copper	28	2.0	mg/Kg
Lead	58	1.0	mg/Kg
Molybdenum	ND	1.0	mg/Kg
Nickel	36	1.0	mg/Kg
Selenium	1.1	1.0	mg/Kg
Silver	ND	1.0	mg/Kg
Thallium	ND	1.0	mg/Kg
Vanadium	33	1.0	mg/Kg
Zinc	78	1.0	mg/Kg

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A3-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:27:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 10:43 AM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A3-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:27:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 10:43 AM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 10:43 AM
Surr: 1,2-Dichloroethane-d4	104	63-139	%REC	1	9/20/2013 10:43 AM
Surr: 4-Bromofluorobenzene	84.0	75-124	%REC	1	9/20/2013 10:43 AM
Surr: Dibromofluoromethane	95.1	70-133	%REC	1	9/20/2013 10:43 AM
Surr: Toluene-d8	88.9	80-123	%REC	1	9/20/2013 10:43 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	71	5.0	mg/Kg	5	9/20/2013 11:02 AM
ORO	210	5.0	mg/Kg	5	9/20/2013 11:02 AM
Surr: p-Terphenyl	87.5	59-127	%REC	5	9/20/2013 11:02 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A3-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:27:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
				<b>EPA 8015B</b>		
RunID: GC4_130918A	QC Batch: E13VS096			PrepDate:		Analyst: <b>PN</b>
GRO	ND	1.0		mg/Kg	1	9/18/2013 03:00 PM
Surr: Chlorobenzene - d5	90.6	51-136		%REC	1	9/18/2013 03:00 PM
<b>LEAD BY ICP</b>						
				<b>EPA 3050B</b>		
RunID: ICP2_130920C	QC Batch: 43905			PrepDate:	9/18/2013	Analyst: <b>JT</b>
Lead	46	5.0		mg/Kg	1	9/20/2013 07:36 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A3-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:29:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,1-Dichloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,1-Dichloroethene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,1-Dichloropropene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2,3-Trichloropropane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg 1 9/20/2013 11:05 AM
1,2-Dibromoethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2-Dichlorobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2-Dichloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,2-Dichloropropane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,3-Dichloropropane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
2,2-Dichloropropane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
2-Chlorotoluene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
4-Chlorotoluene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
4-Isopropyltoluene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Benzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Bromobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Bromodichloromethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Bromoform	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Bromomethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Carbon tetrachloride	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Chlorobenzene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Chloroethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Chloroform	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
Chloromethane	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg 1 9/20/2013 11:05 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A3-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:29:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 11:05 AM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 11:05 AM
Surr: 1,2-Dichloroethane-d4	89.7	63-139	%REC	1	9/20/2013 11:05 AM
Surr: 4-Bromofluorobenzene	84.6	75-124	%REC	1	9/20/2013 11:05 AM
Surr: Dibromofluoromethane	86.5	70-133	%REC	1	9/20/2013 11:05 AM
Surr: Toluene-d8	92.3	80-123	%REC	1	9/20/2013 11:05 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	52	5.0	mg/Kg	5	9/20/2013 11:27 AM
ORO	170	5.0	mg/Kg	5	9/20/2013 11:27 AM
Surr: p-Terphenyl	95.0	59-127	%REC	5	9/20/2013 11:27 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-009

**Client Sample ID:** A3-7.5  
**Collection Date:** 9/11/2013 10:29:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 03:29 PM
Surr: Chlorobenzene - d5	102	51-136	%REC	1	9/18/2013 03:29 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	ND	0.099	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 01:39 PM
Arsenic	6.0	1.0	mg/Kg	1	9/20/2013 01:39 PM
Barium	130	1.0	mg/Kg	1	9/20/2013 01:39 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 01:39 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 01:39 PM
Chromium	52	1.0	mg/Kg	1	9/20/2013 01:39 PM
Cobalt	14	1.0	mg/Kg	1	9/20/2013 01:39 PM
Copper	32	2.0	mg/Kg	1	9/20/2013 01:39 PM
Lead	9.0	1.0	mg/Kg	1	9/20/2013 01:39 PM
Molybdenum	ND	1.0	mg/Kg	1	9/20/2013 01:39 PM
Nickel	100	1.0	mg/Kg	1	9/20/2013 01:39 PM
Selenium	1.9	1.0	mg/Kg	1	9/20/2013 01:39 PM
Silver	ND	1.0	mg/Kg	1	9/20/2013 01:39 PM
Thallium	ND	1.0	mg/Kg	1	9/20/2013 01:39 PM
Vanadium	48	1.0	mg/Kg	1	9/20/2013 01:39 PM
Zinc	53	1.0	mg/Kg	1	9/20/2013 01:39 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A4-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:35:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Acenaphthylene	25	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Anthracene	29	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Benzo(a)anthracene	140	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Benzo(a)pyrene	460	50	µg/Kg	10	9/22/2013 03:01 PM	
Benzo(b)fluoranthene	400	50	µg/Kg	10	9/22/2013 03:01 PM	
Benzo(g,h,i)perylene	410	50	µg/Kg	10	9/22/2013 03:01 PM	
Benzo(k)fluoranthene	160	50	µg/Kg	10	9/22/2013 03:01 PM	
Chrysene	310	50	µg/Kg	10	9/22/2013 03:01 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 03:01 PM	
Fluoranthene	500	50	µg/Kg	10	9/22/2013 03:01 PM	
Fluorene	5.3	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Indeno(1,2,3-cd)pyrene	170	50	µg/Kg	10	9/22/2013 03:01 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Phenanthrene	190	5.0	µg/Kg	1	9/18/2013 10:09 PM	
Pyrene	1200	50	µg/Kg	10	9/22/2013 03:01 PM	
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120	%REC	1	9/18/2013 10:09 PM	
Surr: 2-Fluorobiphenyl	64.1	28-130	%REC	1	9/18/2013 10:09 PM	
Surr: 4-Terphenyl-d14	92.1	19-165	%REC	1	9/18/2013 10:09 PM	
Surr: Nitrobenzene-d5	71.1	23-150	%REC	1	9/18/2013 10:09 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920C	QC Batch: 43905	PrepDate:	9/18/2013	Analyst:	JT
Lead	52	5.0	mg/Kg	1	9/20/2013 07:41 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A4-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Acenaphthylene	13	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Anthracene	17	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Benzo(a)anthracene	77	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Benzo(a)pyrene	220	50	µg/Kg	10	9/22/2013 03:29 PM	
Benzo(b)fluoranthene	210	50	µg/Kg	10	9/22/2013 03:29 PM	
Benzo(g,h,i)perylene	150	50	µg/Kg	10	9/22/2013 03:29 PM	
Benzo(k)fluoranthene	73	50	µg/Kg	10	9/22/2013 03:29 PM	
Chrysene	110	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 03:29 PM	
Fluoranthene	240	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Fluorene	ND	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Indeno(1,2,3-cd)pyrene	73	50	µg/Kg	10	9/22/2013 03:29 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Phenanthrene	100	5.0	µg/Kg	1	9/18/2013 10:37 PM	
Pyrene	490	50	µg/Kg	10	9/22/2013 03:29 PM	
Surr: 1,2-Dichlorobenzene-d4	56.1	14-120	%REC	1	9/18/2013 10:37 PM	
Surr: 2-Fluorobiphenyl	69.1	28-130	%REC	1	9/18/2013 10:37 PM	
Surr: 4-Terphenyl-d14	118	19-165	%REC	1	9/18/2013 10:37 PM	
Surr: Nitrobenzene-d5	78.1	23-150	%REC	1	9/18/2013 10:37 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920C	QC Batch: 43905	PrepDate:	9/18/2013	Analyst:	JT
Lead	24	5.0	mg/Kg	1	9/20/2013 07:46 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	A4-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:39:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Anthracene	ND	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Benzo(a)anthracene	6.3	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Benzo(a)pyrene	ND	50	µg/Kg	10	9/22/2013 03:56 PM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/22/2013 03:56 PM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/22/2013 03:56 PM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/22/2013 03:56 PM	
Chrysene	20	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 03:56 PM	
Fluoranthene	11	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Fluorene	ND	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/22/2013 03:56 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Phenanthrene	7.7	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Pyrene	16	5.0	µg/Kg	1	9/18/2013 11:04 PM	
Surr: 1,2-Dichlorobenzene-d4	58.1	14-120	%REC	1	9/18/2013 11:04 PM	
Surr: 2-Fluorobiphenyl	62.1	28-130	%REC	1	9/18/2013 11:04 PM	
Surr: 4-Terphenyl-d14	107	19-165	%REC	1	9/18/2013 11:04 PM	
Surr: Nitrobenzene-d5	79.1	23-150	%REC	1	9/18/2013 11:04 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920C	QC Batch: 43905	PrepDate:	9/18/2013	Analyst:	JT
Lead	21	5.0	mg/Kg	1	9/20/2013 07:50 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:55:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920A	QC Batch: 43899				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
DRO	30	5.0		mg/Kg	5	9/20/2013 11:53 AM
ORO	96	5.0		mg/Kg	5	9/20/2013 11:53 AM
Surr: p-Terphenyl	89.8	59-127		%REC	5	9/20/2013 11:53 AM
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
<b>EPA 7471</b>			<b>EPA 7471A</b>			
RunID: AA1_130918E	QC Batch: 43890				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.10	0.10		mg/Kg	1	9/18/2013
<b>ICP METALS</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130920B	QC Batch: 43913				PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/20/2013 01:46 PM
Arsenic	4.1	1.0		mg/Kg	1	9/20/2013 01:46 PM
Barium	100	1.0		mg/Kg	1	9/20/2013 01:46 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 01:46 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 01:46 PM
Chromium	44	1.0		mg/Kg	1	9/20/2013 01:46 PM
Cobalt	12	1.0		mg/Kg	1	9/20/2013 01:46 PM
Copper	32	2.0		mg/Kg	1	9/20/2013 01:46 PM
Lead	30	1.0		mg/Kg	1	9/20/2013 01:46 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 01:46 PM
Nickel	68	1.0		mg/Kg	1	9/20/2013 01:46 PM
Selenium	1.3	1.0		mg/Kg	1	9/20/2013 01:46 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 01:46 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 01:46 PM
Vanadium	48	1.0		mg/Kg	1	9/20/2013 01:46 PM
Zinc	52	1.0		mg/Kg	1	9/20/2013 01:46 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 11:26 AM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-014		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 11:26 AM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 11:26 AM
Surr: 1,2-Dichloroethane-d4	86.4	63-139	%REC	1	9/20/2013 11:26 AM
Surr: 4-Bromofluorobenzene	84.5	75-124	%REC	1	9/20/2013 11:26 AM
Surr: Dibromofluoromethane	78.4	70-133	%REC	1	9/20/2013 11:26 AM
Surr: Toluene-d8	91.5	80-123	%REC	1	9/20/2013 11:26 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	53	5.0	mg/Kg	5	9/20/2013 12:18 PM
ORO	190	5.0	mg/Kg	5	9/20/2013 12:18 PM
Surr: p-Terphenyl	71.3	59-127	%REC	5	9/20/2013 12:18 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-014

**Client Sample ID:** B1-5  
**Collection Date:** 9/11/2013 10:57:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 03:58 PM
Surr: Chlorobenzene - d5	99.6	51-136	%REC	1	9/18/2013 03:58 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43890	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.16	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 01:54 PM
Arsenic	11	1.0	mg/Kg	1	9/20/2013 01:54 PM
Barium	100	1.0	mg/Kg	1	9/20/2013 01:54 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 01:54 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 01:54 PM
Chromium	18	1.0	mg/Kg	1	9/20/2013 01:54 PM
Cobalt	7.6	1.0	mg/Kg	1	9/20/2013 01:54 PM
Copper	22	2.0	mg/Kg	1	9/20/2013 01:54 PM
Lead	12	1.0	mg/Kg	1	9/20/2013 01:54 PM
Molybdenum	ND	1.0	mg/Kg	1	9/20/2013 01:54 PM
Nickel	14	1.0	mg/Kg	1	9/20/2013 01:54 PM
Selenium	1.7	1.0	mg/Kg	1	9/20/2013 01:54 PM
Silver	ND	1.0	mg/Kg	1	9/20/2013 01:54 PM
Thallium	ND	1.0	mg/Kg	1	9/20/2013 01:54 PM
Vanadium	31	1.0	mg/Kg	1	9/20/2013 01:54 PM
Zinc	69	1.0	mg/Kg	1	9/20/2013 01:54 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 11:48 AM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 11:48 AM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 11:48 AM
Surr: 1,2-Dichloroethane-d4	88.8	63-139	%REC	1	9/20/2013 11:48 AM
Surr: 4-Bromofluorobenzene	86.5	75-124	%REC	1	9/20/2013 11:48 AM
Surr: Dibromofluoromethane	88.9	70-133	%REC	1	9/20/2013 11:48 AM
Surr: Toluene-d8	91.6	80-123	%REC	1	9/20/2013 11:48 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	14	1.0	mg/Kg	1	9/20/2013 01:09 PM
ORO	25	1.0	mg/Kg	1	9/20/2013 01:09 PM
Surr: p-Terphenyl	95.4	59-127	%REC	1	9/20/2013 01:09 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 10:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 06:50 PM
Surr: Chlorobenzene - d5	97.2	51-136	%REC	1	9/18/2013 06:50 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	ND	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 02:01 PM
Arsenic	4.8	1.0	mg/Kg	1	9/20/2013 02:01 PM
Barium	130	1.0	mg/Kg	1	9/20/2013 02:01 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 02:01 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 02:01 PM
Chromium	44	1.0	mg/Kg	1	9/20/2013 02:01 PM
Cobalt	11	1.0	mg/Kg	1	9/20/2013 02:01 PM
Copper	25	2.0	mg/Kg	1	9/20/2013 02:01 PM
Lead	7.1	1.0	mg/Kg	1	9/20/2013 02:01 PM
Molybdenum	ND	1.0	mg/Kg	1	9/20/2013 02:01 PM
Nickel	54	1.0	mg/Kg	1	9/20/2013 02:01 PM
Selenium	1.2	1.0	mg/Kg	1	9/20/2013 02:01 PM
Silver	ND	1.0	mg/Kg	1	9/20/2013 02:01 PM
Thallium	ND	1.0	mg/Kg	1	9/20/2013 02:01 PM
Vanadium	37	1.0	mg/Kg	1	9/20/2013 02:01 PM
Zinc	43	1.0	mg/Kg	1	9/20/2013 02:01 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:01:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 03:23 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:01:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 03:23 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 03:23 PM
Surr: 1,2-Dichloroethane-d4	79.0	63-139	%REC	1	9/20/2013 03:23 PM
Surr: 4-Bromofluorobenzene	81.9	75-124	%REC	1	9/20/2013 03:23 PM
Surr: Dibromofluoromethane	82.1	70-133	%REC	1	9/20/2013 03:23 PM
Surr: Toluene-d8	88.8	80-123	%REC	1	9/20/2013 03:23 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	35	5.0	mg/Kg	5	9/20/2013 01:35 PM
ORO	120	5.0	mg/Kg	5	9/20/2013 01:35 PM
Surr: p-Terphenyl	92.4	59-127	%REC	5	9/20/2013 01:35 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:01:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-016		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B				EPA 8081A		
RunID:	QC Batch:			PrepDate:		Analyst:
GC7_130919A	43887			9/17/2013		MDM
4,4'-DDD	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
4,4'-DDE	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
4,4'-DDT	3.7	2.0		µg/Kg	1	9/19/2013 10:40 AM
Aldrin	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
alpha-BHC	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
alpha-Chlordane	2.9	1.0		µg/Kg	1	9/19/2013 10:40 AM
beta-BHC	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
Chlordane	ND	8.5		µg/Kg	1	9/19/2013 10:40 AM
delta-BHC	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
Dieldrin	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
Endosulfan I	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
Endosulfan II	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
Endrin	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
Endrin ketone	ND	2.0		µg/Kg	1	9/19/2013 10:40 AM
gamma-BHC	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
gamma-Chlordane	3.5	1.0		µg/Kg	1	9/19/2013 10:40 AM
Heptachlor	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/19/2013 10:40 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/19/2013 10:40 AM
Toxaphene	ND	85		µg/Kg	1	9/19/2013 10:40 AM
Surr: Tetrachloro-m-xylene	50.3	28-161		%REC	1	9/19/2013 10:40 AM
Surr: Decachlorobiphenyl	47.0	28-120		%REC	1	9/19/2013 10:40 AM

**PCBS BY GC/ECD**

EPA 3550B				EPA 8082		
RunID:	QC Batch:			PrepDate:		Analyst:
GC7_130917B	43887			9/17/2013		MDM
Aroclor 1016	ND	17		µg/Kg	1	9/18/2013 11:13 AM
Aroclor 1221	ND	33		µg/Kg	1	9/18/2013 11:13 AM
Aroclor 1232	ND	17		µg/Kg	1	9/18/2013 11:13 AM
Aroclor 1242	ND	17		µg/Kg	1	9/18/2013 11:13 AM
Aroclor 1248	ND	17		µg/Kg	1	9/18/2013 11:13 AM
Aroclor 1254	ND	17		µg/Kg	1	9/18/2013 11:13 AM
Aroclor 1260	ND	17		µg/Kg	1	9/18/2013 11:13 AM
Surr: Decachlorobiphenyl	48.9	40-146		%REC	1	9/18/2013 11:13 AM
Surr: Tetrachloro-m-xylene	49.6	32-109		%REC	1	9/18/2013 11:13 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-016

**Client Sample ID:** B1-15.5  
**Collection Date:** 9/11/2013 11:01:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 01:30 PM
Surr: Chlorobenzene - d5	104	51-136	%REC	1	9/18/2013 01:30 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920C	QC Batch: 43905	PrepDate: 9/18/2013	Analyst: <b>JT</b>		
Lead	65	5.0	mg/Kg	1	9/20/2013 07:55 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:25:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-017		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130918A	QC Batch: 43898	PrepDate:	9/18/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Acenaphthylene	37	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Anthracene	36	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Benzo(a)anthracene	190	50	µg/Kg	10	9/22/2013 04:24 PM	
Benzo(a)pyrene	510	50	µg/Kg	10	9/22/2013 04:24 PM	
Benzo(b)fluoranthene	460	50	µg/Kg	10	9/22/2013 04:24 PM	
Benzo(g,h,i)perylene	330	50	µg/Kg	10	9/22/2013 04:24 PM	
Benzo(k)fluoranthene	160	50	µg/Kg	10	9/22/2013 04:24 PM	
Chrysene	260	50	µg/Kg	10	9/22/2013 04:24 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 04:24 PM	
Fluoranthene	640	50	µg/Kg	10	9/22/2013 04:24 PM	
Fluorene	8.0	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Indeno(1,2,3-cd)pyrene	160	50	µg/Kg	10	9/22/2013 04:24 PM	
Naphthalene	5.3	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Phenanthrene	180	5.0	µg/Kg	1	9/18/2013 11:32 PM	
Pyrene	1100	50	µg/Kg	10	9/22/2013 04:24 PM	
Surr: 1,2-Dichlorobenzene-d4	56.1	14-120	%REC	1	9/18/2013 11:32 PM	
Surr: 2-Fluorobiphenyl	65.1	28-130	%REC	1	9/18/2013 11:32 PM	
Surr: 4-Terphenyl-d14	90.1	19-165	%REC	10	9/22/2013 04:24 PM	
Surr: Nitrobenzene-d5	79.1	23-150	%REC	1	9/18/2013 11:32 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920C	QC Batch: 43905	PrepDate:	9/18/2013	Analyst:	JT
Lead	64	5.0	mg/Kg	1	9/20/2013 08:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:27:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-018		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM</b>						
<b>EPA 3550B</b>			<b>EPA 8270CSIM</b>			
RunID: MS3_130918A	QC Batch: 43898			PrepDate:	9/18/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/19/2013
Acenaphthene	ND	5.0		µg/Kg	1	9/19/2013
Acenaphthylene	29	5.0		µg/Kg	1	9/19/2013
Anthracene	34	5.0		µg/Kg	1	9/19/2013
Benzo(a)anthracene	340	50		µg/Kg	10	9/22/2013 04:52 PM
Benzo(a)pyrene	ND	100		µg/Kg	20	9/23/2013 02:55 PM
Benzo(b)fluoranthene	120	100		µg/Kg	20	9/23/2013 02:55 PM
Benzo(g,h,i)perylene	ND	100		µg/Kg	20	9/23/2013 02:55 PM
Benzo(k)fluoranthene	ND	100		µg/Kg	20	9/23/2013 02:55 PM
Chrysene	430	50		µg/Kg	10	9/22/2013 04:52 PM
Dibenz(a,h)anthracene	ND	100		µg/Kg	20	9/23/2013 02:55 PM
Fluoranthene	750	50		µg/Kg	10	9/22/2013 04:52 PM
Fluorene	8.0	5.0		µg/Kg	1	9/19/2013
Indeno(1,2,3-cd)pyrene	ND	100		µg/Kg	20	9/23/2013 02:55 PM
Naphthalene	ND	5.0		µg/Kg	1	9/19/2013
Phenanthrene	180	5.0		µg/Kg	1	9/19/2013
Pyrene	1300	50		µg/Kg	10	9/22/2013 04:52 PM
Surr: 1,2-Dichlorobenzene-d4	40.0	14-120		%REC	1	9/19/2013
Surr: 2-Fluorobiphenyl	44.0	28-130		%REC	1	9/19/2013
Surr: 4-Terphenyl-d14	60.1	19-165		%REC	10	9/22/2013 04:52 PM
Surr: Nitrobenzene-d5	54.1	23-150		%REC	1	9/19/2013

**LEAD BY ICP**

<b>EPA 3050B</b>		<b>EPA 6010B</b>	
RunID: ICP2_130920C	QC Batch: 43905	PrepDate:	9/18/2013 Analyst: <b>JT</b>
Lead	44	5.0	mg/Kg 1 9/20/2013 08:05 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:29:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130918A	QC Batch: 43898		PrepDate: 9/18/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/19/2013 12:55 AM
Acenaphthene	ND	5.0	µg/Kg	1		9/19/2013 12:55 AM
Acenaphthylene	ND	5.0	µg/Kg	1		9/19/2013 12:55 AM
Anthracene	ND	5.0	µg/Kg	1		9/19/2013 12:55 AM
Benzo(a)anthracene	ND	50	µg/Kg	10		9/22/2013 05:47 PM
Benzo(a)pyrene	ND	100	µg/Kg	20		9/23/2013 03:50 PM
Benzo(b)fluoranthene	ND	100	µg/Kg	20		9/23/2013 03:50 PM
Benzo(g,h,i)perylene	ND	100	µg/Kg	20		9/23/2013 03:50 PM
Benzo(k)fluoranthene	ND	100	µg/Kg	20		9/23/2013 03:50 PM
Chrysene	ND	50	µg/Kg	10		9/22/2013 05:47 PM
Dibenz(a,h)anthracene	ND	100	µg/Kg	20		9/23/2013 03:50 PM
Fluoranthene	41	5.0	µg/Kg	1		9/19/2013 12:55 AM
Fluorene	ND	5.0	µg/Kg	1		9/19/2013 12:55 AM
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20		9/23/2013 03:50 PM
Naphthalene	ND	5.0	µg/Kg	1		9/19/2013 12:55 AM
Phenanthrene	27	5.0	µg/Kg	1		9/19/2013 12:55 AM
Pyrene	48	5.0	µg/Kg	1		9/19/2013 12:55 AM
Surr: 1,2-Dichlorobenzene-d4	51.1	14-120	%REC	1		9/19/2013 12:55 AM
Surr: 2-Fluorobiphenyl	69.1	28-130	%REC	1		9/19/2013 12:55 AM
Surr: 4-Terphenyl-d14	110	19-165	%REC	10		9/22/2013 05:47 PM
Surr: Nitrobenzene-d5	76.1	23-150	%REC	1		9/19/2013 12:55 AM

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920C	QC Batch: 43905	PrepDate: 9/18/2013	Analyst: JT		
Lead	13	5.0	mg/Kg	1	9/20/2013 08:10 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 11:31:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HEXAVALENT CHROMIUM**

**EPA 3060A**

**EPA 7196A**

RunID: WETCHEM_130920D	QC Batch: 43908				PrepDate: 9/19/2013	Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0		mg/Kg	1	9/20/2013

**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130918A	QC Batch: 43898				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Acenaphthene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Acenaphthylene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Anthracene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Benzo(a)anthracene	ND	50		µg/Kg	10	9/22/2013 06:15 PM
Benzo(a)pyrene	ND	100		µg/Kg	20	9/23/2013 04:18 PM
Benzo(b)fluoranthene	ND	100		µg/Kg	20	9/23/2013 04:18 PM
Benzo(g,h,i)perylene	ND	100		µg/Kg	20	9/23/2013 04:18 PM
Benzo(k)fluoranthene	ND	100		µg/Kg	20	9/23/2013 04:18 PM
Chrysene	ND	50		µg/Kg	10	9/22/2013 06:15 PM
Dibenz(a,h)anthracene	ND	100		µg/Kg	20	9/23/2013 04:18 PM
Fluoranthene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Fluorene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Indeno(1,2,3-cd)pyrene	ND	100		µg/Kg	20	9/23/2013 04:18 PM
Naphthalene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Phenanthrene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Pyrene	ND	5.0		µg/Kg	1	9/19/2013 01:23 AM
Surr: 1,2-Dichlorobenzene-d4	52.1	14-120		%REC	1	9/19/2013 01:23 AM
Surr: 2-Fluorobiphenyl	62.1	28-130		%REC	1	9/19/2013 01:23 AM
Surr: 4-Terphenyl-d14	90.1	19-165		%REC	10	9/22/2013 06:15 PM
Surr: Nitrobenzene-d5	69.1	23-150		%REC	1	9/19/2013 01:23 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920C	QC Batch: 43905				PrepDate: 9/18/2013	Analyst: <b>JT</b>
Lead	22	5.0		mg/Kg	1	9/20/2013 08:14 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:10:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-021		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920A	QC Batch: 43899				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
DRO	98	5.0		mg/Kg	5	9/20/2013 02:00 PM
ORO	280	5.0		mg/Kg	5	9/20/2013 02:00 PM
Surr: p-Terphenyl	88.2	59-127		%REC	5	9/20/2013 02:00 PM
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
<b>EPA 7471</b>			<b>EPA 7471A</b>			
RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.15	0.099		mg/Kg	1	9/18/2013
<b>ICP METALS</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130920B	QC Batch: 43913				PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/20/2013 02:08 PM
Arsenic	5.2	1.0		mg/Kg	1	9/20/2013 02:08 PM
Barium	190	1.0		mg/Kg	1	9/20/2013 02:08 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 02:08 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 02:08 PM
Chromium	38	1.0		mg/Kg	1	9/20/2013 02:08 PM
Cobalt	12	1.0		mg/Kg	1	9/20/2013 02:08 PM
Copper	36	2.0		mg/Kg	1	9/20/2013 02:08 PM
Lead	58	1.0		mg/Kg	1	9/20/2013 02:08 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 02:08 PM
Nickel	33	1.0		mg/Kg	1	9/20/2013 02:08 PM
Selenium	1.9	1.0		mg/Kg	1	9/20/2013 02:08 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 02:08 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 02:08 PM
Vanadium	52	1.0		mg/Kg	1	9/20/2013 02:08 PM
Zinc	89	1.0		mg/Kg	1	9/20/2013 02:08 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:12:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-022		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920A	QC Batch: 43899				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
DRO	31	5.0		mg/Kg	5	9/20/2013 02:26 PM
ORO	110	5.0		mg/Kg	5	9/20/2013 02:26 PM
Surr: p-Terphenyl	97.4	59-127		%REC	5	9/20/2013 02:26 PM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43905				PrepDate: 9/18/2013	Analyst: <b>CEI</b>
Lead	200	5.0		mg/Kg	1	9/23/2013 05:06 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:14:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-023		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130920A	QC Batch:	Q13VS002	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 03:45 PM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Benzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:14:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-023		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 03:45 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 03:45 PM
Surr: 1,2-Dichloroethane-d4	81.2	63-139	%REC	1	9/20/2013 03:45 PM
Surr: 4-Bromofluorobenzene	82.6	75-124	%REC	1	9/20/2013 03:45 PM
Surr: Dibromofluoromethane	80.1	70-133	%REC	1	9/20/2013 03:45 PM
Surr: Toluene-d8	87.8	80-123	%REC	1	9/20/2013 03:45 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920A	QC Batch: 43899	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
DRO	69	5.0	mg/Kg	5	9/20/2013 02:51 PM
ORO	250	5.0	mg/Kg	5	9/20/2013 02:51 PM
Surr: p-Terphenyl	109	59-127	%REC	5	9/20/2013 02:51 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:14:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-023		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B				EPA 8081A		
RunID:	QC Batch:			PrepDate:		Analyst:
GC7_130919A	43887			9/17/2013		MDM
4,4'-DDD	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
4,4'-DDE	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
4,4'-DDT	2.2	2.0		µg/Kg	1	9/19/2013 11:06 AM
Aldrin	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
alpha-BHC	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
alpha-Chlordane	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
beta-BHC	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
Chlordane	ND	8.5		µg/Kg	1	9/19/2013 11:06 AM
delta-BHC	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
Dieldrin	4.5	2.0		µg/Kg	1	9/19/2013 11:06 AM
Endosulfan I	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
Endosulfan II	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
Endrin	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
Endrin ketone	ND	2.0		µg/Kg	1	9/19/2013 11:06 AM
gamma-BHC	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
Heptachlor	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/19/2013 11:06 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/19/2013 11:06 AM
Toxaphene	ND	85		µg/Kg	1	9/19/2013 11:06 AM
Surr: Tetrachloro-m-xylene	64.0	28-161		%REC	1	9/19/2013 11:06 AM
Surr: Decachlorobiphenyl	59.0	28-120		%REC	1	9/19/2013 11:06 AM

**PCBS BY GC/ECD**

EPA 3550B				EPA 8082		
RunID:	QC Batch:			PrepDate:		Analyst:
GC7_130917B	43887			9/17/2013		MDM
Aroclor 1016	ND	16		µg/Kg	1	9/18/2013 11:42 AM
Aroclor 1221	ND	33		µg/Kg	1	9/18/2013 11:42 AM
Aroclor 1232	ND	16		µg/Kg	1	9/18/2013 11:42 AM
Aroclor 1242	ND	16		µg/Kg	1	9/18/2013 11:42 AM
Aroclor 1248	ND	16		µg/Kg	1	9/18/2013 11:42 AM
Aroclor 1254	ND	16		µg/Kg	1	9/18/2013 11:42 AM
Aroclor 1260	ND	16		µg/Kg	1	9/18/2013 11:42 AM
Surr: Decachlorobiphenyl	67.6	40-146		%REC	1	9/18/2013 11:42 AM
Surr: Tetrachloro-m-xylene	71.6	32-109		%REC	1	9/18/2013 11:42 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-023

**Client Sample ID:** B3-10  
**Collection Date:** 9/11/2013 12:14:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 08:17 PM
Surr: Chlorobenzene - d5	91.7	51-136	%REC	1	9/18/2013 08:17 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	ND	0.099	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 02:15 PM
Arsenic	8.9	1.0	mg/Kg	1	9/20/2013 02:15 PM
Barium	92	1.0	mg/Kg	1	9/20/2013 02:15 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 02:15 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 02:15 PM
Chromium	24	1.0	mg/Kg	1	9/20/2013 02:15 PM
Cobalt	7.6	1.0	mg/Kg	1	9/20/2013 02:15 PM
Copper	21	2.0	mg/Kg	1	9/20/2013 02:15 PM
Lead	13	1.0	mg/Kg	1	9/20/2013 02:15 PM
Molybdenum	ND	1.0	mg/Kg	1	9/20/2013 02:15 PM
Nickel	19	1.0	mg/Kg	1	9/20/2013 02:15 PM
Selenium	1.9	1.0	mg/Kg	1	9/20/2013 02:15 PM
Silver	ND	1.0	mg/Kg	1	9/20/2013 02:15 PM
Thallium	ND	1.0	mg/Kg	1	9/20/2013 02:15 PM
Vanadium	32	1.0	mg/Kg	1	9/20/2013 02:15 PM
Zinc	82	1.0	mg/Kg	1	9/20/2013 02:15 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:16:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-024		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 02:41 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:16:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-024		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 02:41 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 02:41 PM
Surr: 1,2-Dichloroethane-d4	95.0	63-139	%REC	1	9/20/2013 02:41 PM
Surr: 4-Bromofluorobenzene	79.7	75-124	%REC	1	9/20/2013 02:41 PM
Surr: Dibromofluoromethane	91.9	70-133	%REC	1	9/20/2013 02:41 PM
Surr: Toluene-d8	83.2	80-123	%REC	1	9/20/2013 02:41 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	15	1.0	mg/Kg	1	9/20/2013 05:49 PM
ORO	36	1.0	mg/Kg	1	9/20/2013 05:49 PM
Surr: p-Terphenyl	87.2	59-127	%REC	1	9/20/2013 05:49 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-024

**Client Sample ID:** B3-15.5  
**Collection Date:** 9/11/2013 12:16:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 04:26 PM
Surr: Chlorobenzene - d5	101	51-136	%REC	1	9/18/2013 04:26 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43905	PrepDate:	9/18/2013	Analyst: <b>CEI</b>	
Lead	27	5.0	mg/Kg	1	9/23/2013 05:42 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-025

**Client Sample ID:** B4-0  
**Collection Date:** 9/11/2013 12:40:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130918A	QC Batch:	43898	PrepDate:	9/18/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Acenaphthene	ND	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Anthracene	ND	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Benzo(a)anthracene	ND	50	µg/Kg	10	9/22/2013 06:42 PM	
Benzo(a)pyrene	ND	100	µg/Kg	20	9/23/2013 04:45 PM	
Benzo(b)fluoranthene	ND	100	µg/Kg	20	9/23/2013 04:45 PM	
Benzo(g,h,i)perylene	ND	100	µg/Kg	20	9/23/2013 04:45 PM	
Benzo(k)fluoranthene	ND	100	µg/Kg	20	9/23/2013 04:45 PM	
Chrysene	ND	50	µg/Kg	10	9/22/2013 06:42 PM	
Dibenz(a,h)anthracene	ND	100	µg/Kg	20	9/23/2013 04:45 PM	
Fluoranthene	17	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Fluorene	ND	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20	9/23/2013 04:45 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Phenanthrene	11	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Pyrene	25	5.0	µg/Kg	1	9/19/2013 01:51 AM	
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120	%REC	1	9/19/2013 01:51 AM	
Surr: 2-Fluorobiphenyl	63.1	28-130	%REC	1	9/19/2013 01:51 AM	
Surr: 4-Terphenyl-d14	100	19-165	%REC	10	9/22/2013 06:42 PM	
Surr: Nitrobenzene-d5	73.1	23-150	%REC	1	9/19/2013 01:51 AM	

**LEAD BY ICP**

EPA 3050B			EPA 6010B			
RunID:	ICP2_130923A	QC Batch:	43905	PrepDate:	9/18/2013	Analyst: CEI
Lead	24	5.0	mg/Kg	1	9/23/2013 06:03 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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Laboratories, Inc.

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B4-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:42:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-026		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130918A	QC Batch: 43898	PrepDate: 9/18/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/19/2013 02:18 AM
Acenaphthene	ND	5.0	µg/Kg	1	9/19/2013 02:18 AM
Acenaphthylene	ND	5.0	µg/Kg	1	9/19/2013 02:18 AM
Anthracene	20	5.0	µg/Kg	1	9/19/2013 02:18 AM
Benzo(a)anthracene	90	50	µg/Kg	10	9/22/2013 07:10 PM
Benzo(a)pyrene	ND	100	µg/Kg	20	9/23/2013 05:13 PM
Benzo(b)fluoranthene	ND	100	µg/Kg	20	9/23/2013 05:13 PM
Benzo(g,h,i)perylene	ND	100	µg/Kg	20	9/23/2013 05:13 PM
Benzo(k)fluoranthene	ND	100	µg/Kg	20	9/23/2013 05:13 PM
Chrysene	83	50	µg/Kg	10	9/22/2013 07:10 PM
Dibenz(a,h)anthracene	ND	100	µg/Kg	20	9/23/2013 05:13 PM
Fluoranthene	160	5.0	µg/Kg	1	9/19/2013 02:18 AM
Fluorene	ND	5.0	µg/Kg	1	9/19/2013 02:18 AM
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20	9/23/2013 05:13 PM
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 02:18 AM
Phenanthrene	110	5.0	µg/Kg	1	9/19/2013 02:18 AM
Pyrene	110	5.0	µg/Kg	1	9/19/2013 02:18 AM
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120	%REC	1	9/19/2013 02:18 AM
Surr: 2-Fluorobiphenyl	69.1	28-130	%REC	1	9/19/2013 02:18 AM
Surr: 4-Terphenyl-d14	100	19-165	%REC	10	9/22/2013 07:10 PM
Surr: Nitrobenzene-d5	76.1	23-150	%REC	1	9/19/2013 02:18 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: MDM		
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 11:32 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 11:32 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 11:32 AM
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 11:32 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:32 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/19/2013 11:32 AM
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:32 AM
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 11:32 AM
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:32 AM
Dieldrin	ND	2.0	µg/Kg	1	9/19/2013 11:32 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 11:32 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 11:32 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-026

**Client Sample ID:** B4-5  
**Collection Date:** 9/11/2013 12:42:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/19/2013 11:32 AM
Endrin	ND	2.0	µg/Kg	1		9/19/2013 11:32 AM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/19/2013 11:32 AM
Endrin ketone	ND	2.0	µg/Kg	1		9/19/2013 11:32 AM
gamma-BHC	ND	1.0	µg/Kg	1		9/19/2013 11:32 AM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/19/2013 11:32 AM
Heptachlor	ND	1.0	µg/Kg	1		9/19/2013 11:32 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/19/2013 11:32 AM
Methoxychlor	ND	8.5	µg/Kg	1		9/19/2013 11:32 AM
Toxaphene	ND	85	µg/Kg	1		9/19/2013 11:32 AM
Surr: Tetrachloro-m-xylene	56.7	28-161	%REC	1		9/19/2013 11:32 AM
Surr: Decachlorobiphenyl	57.1	28-120	%REC	1		9/19/2013 11:32 AM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Aroclor 1016	ND	17	µg/Kg	1		9/18/2013 12:12 PM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 12:12 PM
Aroclor 1232	ND	17	µg/Kg	1		9/18/2013 12:12 PM
Aroclor 1242	ND	17	µg/Kg	1		9/18/2013 12:12 PM
Aroclor 1248	ND	17	µg/Kg	1		9/18/2013 12:12 PM
Aroclor 1254	ND	17	µg/Kg	1		9/18/2013 12:12 PM
Aroclor 1260	ND	17	µg/Kg	1		9/18/2013 12:12 PM
Surr: Decachlorobiphenyl	59.3	40-146	%REC	1		9/18/2013 12:12 PM
Surr: Tetrachloro-m-xylene	66.4	32-109	%REC	1		9/18/2013 12:12 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43905	PrepDate:	9/18/2013	Analyst: CEI		
Lead	18	5.0	mg/Kg	1		9/23/2013 05:16 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B4-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:44:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-027		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM</b>						
<b>EPA 3550B</b>			<b>EPA 8270CSIM</b>			
RunID: MS3_130918A	QC Batch: 43898			PrepDate:	9/18/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/19/2013 02:46 AM
Acenaphthene	ND	5.0		µg/Kg	1	9/19/2013 02:46 AM
Acenaphthylene	ND	5.0		µg/Kg	1	9/19/2013 02:46 AM
Anthracene	ND	5.0		µg/Kg	1	9/19/2013 02:46 AM
Benzo(a)anthracene	ND	50		µg/Kg	10	9/22/2013 07:38 PM
Benzo(a)pyrene	ND	100		µg/Kg	20	9/23/2013 05:41 PM
Benzo(b)fluoranthene	ND	100		µg/Kg	20	9/23/2013 05:41 PM
Benzo(g,h,i)perylene	ND	100		µg/Kg	20	9/23/2013 05:41 PM
Benzo(k)fluoranthene	ND	100		µg/Kg	20	9/23/2013 05:41 PM
Chrysene	ND	50		µg/Kg	10	9/22/2013 07:38 PM
Dibenz(a,h)anthracene	ND	100		µg/Kg	20	9/23/2013 05:41 PM
Fluoranthene	15	5.0		µg/Kg	1	9/19/2013 02:46 AM
Fluorene	ND	5.0		µg/Kg	1	9/19/2013 02:46 AM
Indeno(1,2,3-cd)pyrene	ND	100		µg/Kg	20	9/23/2013 05:41 PM
Naphthalene	ND	5.0		µg/Kg	1	9/19/2013 02:46 AM
Phenanthrene	10	5.0		µg/Kg	1	9/19/2013 02:46 AM
Pyrene	15	5.0		µg/Kg	1	9/19/2013 02:46 AM
Surr: 1,2-Dichlorobenzene-d4	55.1	14-120		%REC	1	9/19/2013 02:46 AM
Surr: 2-Fluorobiphenyl	64.1	28-130		%REC	1	9/19/2013 02:46 AM
Surr: 4-Terphenyl-d14	80.1	19-165		%REC	10	9/22/2013 07:38 PM
Surr: Nitrobenzene-d5	80.1	23-150		%REC	1	9/19/2013 02:46 AM

**LEAD BY ICP**

<b>EPA 3050B</b>		<b>EPA 6010B</b>				
RunID: ICP2_130923A	QC Batch: 43905			PrepDate:	9/18/2013	Analyst: <b>CEI</b>
Lead	42	5.0		mg/Kg	1	9/23/2013 05:21 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B4-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 12:46:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-028		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130919C	QC Batch: 43910	PrepDate:	9/19/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Anthracene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Benzo(a)pyrene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Benzo(b)fluoranthene	6.4	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Benzo(g,h,i)perylene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Benzo(k)fluoranthene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Chrysene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Fluoranthene	5.0	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Fluorene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Phenanthrene	ND	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Pyrene	5.7	5.0	µg/Kg	1	9/19/2013 06:52 PM	
Surr: 1,2-Dichlorobenzene-d4	38.0	14-120	%REC	1	9/19/2013 06:52 PM	
Surr: 2-Fluorobiphenyl	46.0	28-130	%REC	1	9/19/2013 06:52 PM	
Surr: 4-Terphenyl-d14	55.1	19-165	%REC	1	9/19/2013 06:52 PM	
Surr: Nitrobenzene-d5	71.1	23-150	%REC	1	9/19/2013 06:52 PM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A			
RunID: AA1_130918E	QC Batch: 43891	PrepDate:	9/17/2013	Analyst:	JT
Mercury	ND	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

EPA 3050B		EPA 6010B			
RunID: ICP2_130920B	QC Batch: 43913	PrepDate:	9/19/2013	Analyst:	JT
Antimony	ND	2.0	mg/Kg	1	9/20/2013 03:04 PM
Arsenic	3.3	1.0	mg/Kg	1	9/20/2013 03:04 PM
Barium	130	1.0	mg/Kg	1	9/20/2013 03:04 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 03:04 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 03:04 PM
Chromium	28	1.0	mg/Kg	1	9/20/2013 03:04 PM
Cobalt	8.3	1.0	mg/Kg	1	9/20/2013 03:04 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-028

**Client Sample ID:** B4-15.5  
**Collection Date:** 9/11/2013 12:46:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130920B	QC Batch: 43913			PrepDate:	9/19/2013	Analyst: JT
Copper	17	2.0		mg/Kg	1	9/20/2013 03:04 PM
Lead	30	1.0		mg/Kg	1	9/20/2013 03:04 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 03:04 PM
Nickel	24	1.0		mg/Kg	1	9/20/2013 03:04 PM
Selenium	1.1	1.0		mg/Kg	1	9/20/2013 03:04 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 03:04 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 03:04 PM
Vanadium	32	1.0		mg/Kg	1	9/20/2013 03:04 PM
Zinc	60	1.0		mg/Kg	1	9/20/2013 03:04 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-029

**Client Sample ID:** B5-0  
**Collection Date:** 9/11/2013 1:10:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	68	5.0		mg/Kg	5	9/20/2013 06:15 PM
ORO	210	5.0		mg/Kg	5	9/20/2013 06:15 PM
Surr: p-Terphenyl	101	59-127		%REC	5	9/20/2013 06:15 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.16	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913				PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/20/2013 03:18 PM
Arsenic	11	1.0		mg/Kg	1	9/20/2013 03:18 PM
Barium	120	1.0		mg/Kg	1	9/20/2013 03:18 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 03:18 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 03:18 PM
Chromium	22	1.0		mg/Kg	1	9/20/2013 03:18 PM
Cobalt	8.8	1.0		mg/Kg	1	9/20/2013 03:18 PM
Copper	28	2.0		mg/Kg	1	9/20/2013 03:18 PM
Lead	12	1.0		mg/Kg	1	9/20/2013 03:18 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 03:18 PM
Nickel	18	1.0		mg/Kg	1	9/20/2013 03:18 PM
Selenium	2.7	1.0		mg/Kg	1	9/20/2013 03:18 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 03:18 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 03:18 PM
Vanadium	36	1.0		mg/Kg	1	9/20/2013 03:18 PM
Zinc	86	1.0		mg/Kg	1	9/20/2013 03:18 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B5-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:12:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-030		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>HEXAVALENT CHROMIUM</b>						
<b>EPA 3060A</b>			<b>EPA 7196A</b>			
RunID: WETCHEM_130920D	QC Batch: 43908			PrepDate: 9/19/2013		Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0		mg/Kg	1	9/20/2013
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>						
			<b>EPA 8260B</b>			
RunID: MS6_130920A	QC Batch: Q13VS002			PrepDate:		Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/20/2013 03:02 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Benzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Bromobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Bromoform	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Bromomethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Chlorobenzene	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM
Chloroethane	ND	5.0		µg/Kg	1	9/20/2013 03:02 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B5-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:12:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-030		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 03:02 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 03:02 PM
Surr: 1,2-Dichloroethane-d4	82.0	63-139	%REC	1	9/20/2013 03:02 PM
Surr: 4-Bromofluorobenzene	79.6	75-124	%REC	1	9/20/2013 03:02 PM
Surr: Dibromofluoromethane	84.7	70-133	%REC	1	9/20/2013 03:02 PM
Surr: Toluene-d8	88.7	80-123	%REC	1	9/20/2013 03:02 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	90	5.0	mg/Kg	5	9/20/2013 07:06 PM
ORO	160	5.0	mg/Kg	5	9/20/2013 07:06 PM
Surr: p-Terphenyl	95.0	59-127	%REC	5	9/20/2013 07:06 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-030

**Client Sample ID:** B5-5  
**Collection Date:** 9/11/2013 1:12:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 08:46 PM
Surr: Chlorobenzene - d5	102	51-136	%REC	1	9/18/2013 08:46 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.11	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 03:25 PM
Arsenic	56	1.0	mg/Kg	1	9/20/2013 03:25 PM
Barium	88	1.0	mg/Kg	1	9/20/2013 03:25 PM
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 03:25 PM
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 03:25 PM
Chromium	17	1.0	mg/Kg	1	9/20/2013 03:25 PM
Cobalt	9.2	1.0	mg/Kg	1	9/20/2013 03:25 PM
Copper	56	2.0	mg/Kg	1	9/20/2013 03:25 PM
Lead	200	1.0	mg/Kg	1	9/20/2013 03:25 PM
Molybdenum	4.2	1.0	mg/Kg	1	9/20/2013 03:25 PM
Nickel	17	1.0	mg/Kg	1	9/20/2013 03:25 PM
Selenium	1.8	1.0	mg/Kg	1	9/20/2013 03:25 PM
Silver	ND	1.0	mg/Kg	1	9/20/2013 03:25 PM
Thallium	ND	1.0	mg/Kg	1	9/20/2013 03:25 PM
Vanadium	36	1.0	mg/Kg	1	9/20/2013 03:25 PM
Zinc	180	1.0	mg/Kg	1	9/20/2013 03:25 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B5-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:14:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-031		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130920A	QC Batch:	Q13VS002	PrepDate:	Analyst:	QBM
	1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 05:32 PM
	1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Benzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Bromoform	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Chloroform	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
	cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B5-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:14:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-031		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 05:32 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 05:32 PM
Surr: 1,2-Dichloroethane-d4	85.7	63-139	%REC	1	9/20/2013 05:32 PM
Surr: 4-Bromofluorobenzene	87.6	75-124	%REC	1	9/20/2013 05:32 PM
Surr: Dibromofluoromethane	88.1	70-133	%REC	1	9/20/2013 05:32 PM
Surr: Toluene-d8	94.5	80-123	%REC	1	9/20/2013 05:32 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	6.0	1.0	mg/Kg	1	9/20/2013 07:31 PM
ORO	13	1.0	mg/Kg	1	9/20/2013 07:31 PM
Surr: p-Terphenyl	101	59-127	%REC	1	9/20/2013 07:31 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>
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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-031

**Client Sample ID:** B5-10  
**Collection Date:** 9/11/2013 1:14:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130918A	QC Batch: E13VS096	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/18/2013 09:15 PM
Surr: Chlorobenzene - d5	106	51-136	%REC	1	9/18/2013 09:15 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43905	PrepDate: 9/18/2013	Analyst: <b>CEI</b>		
Lead	18	5.0	mg/Kg	1	9/23/2013 05:25 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-032

**Client Sample ID:** B5-13.5  
**Collection Date:** 9/11/2013 1:16:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130920A	QC Batch:	Q13VS002	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 05:53 PM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Benzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B5-13.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:16:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-032		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 05:53 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 05:53 PM
Surr: 1,2-Dichloroethane-d4	92.8	63-139	%REC	1	9/20/2013 05:53 PM
Surr: 4-Bromofluorobenzene	86.3	75-124	%REC	1	9/20/2013 05:53 PM
Surr: Dibromofluoromethane	91.3	70-133	%REC	1	9/20/2013 05:53 PM
Surr: Toluene-d8	88.5	80-123	%REC	1	9/20/2013 05:53 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	4.7	1.0	mg/Kg	1	9/20/2013 07:57 PM
ORO	12	1.0	mg/Kg	1	9/20/2013 07:57 PM
Surr: p-Terphenyl	87.4	59-127	%REC	1	9/20/2013 07:57 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-032

**Client Sample ID:** B5-13.5  
**Collection Date:** 9/11/2013 1:16:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 11:39 AM
Surr: Chlorobenzene - d5	102	51-136	%REC	1	9/19/2013 11:39 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43905	PrepDate: 9/18/2013	Analyst: <b>CEI</b>		
Lead	12	5.0	mg/Kg	1	9/23/2013 05:29 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B6-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:40:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-033		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID: MS3_130921B	QC Batch: 43910		PrepDate: 9/19/2013	Analyst: MDM		
2-Methylnaphthalene	ND	10	µg/Kg	2		9/21/2013 02:57 PM
Acenaphthene	ND	10	µg/Kg	2		9/21/2013 02:57 PM
Acenaphthylene	ND	10	µg/Kg	2		9/21/2013 02:57 PM
Anthracene	13	10	µg/Kg	2		9/21/2013 02:57 PM
Benzo(a)anthracene	93	10	µg/Kg	2		9/21/2013 02:57 PM
Benzo(a)pyrene	ND	50	µg/Kg	10		9/22/2013 10:53 PM
Benzo(b)fluoranthene	73	50	µg/Kg	10		9/22/2013 10:53 PM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10		9/22/2013 10:53 PM
Benzo(k)fluoranthene	ND	50	µg/Kg	10		9/22/2013 10:53 PM
Chrysene	110	10	µg/Kg	2		9/21/2013 02:57 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10		9/22/2013 10:53 PM
Fluoranthene	210	10	µg/Kg	2		9/21/2013 02:57 PM
Fluorene	ND	10	µg/Kg	2		9/21/2013 02:57 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10		9/22/2013 10:53 PM
Naphthalene	ND	10	µg/Kg	2		9/21/2013 02:57 PM
Phenanthrene	57	10	µg/Kg	2		9/21/2013 02:57 PM
Pyrene	290	10	µg/Kg	2		9/21/2013 02:57 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120	%REC	2		9/21/2013 02:57 PM
Surr: 2-Fluorobiphenyl	46.0	28-130	%REC	2		9/21/2013 02:57 PM
Surr: 4-Terphenyl-d14	70.1	19-165	%REC	2		9/21/2013 02:57 PM
Surr: Nitrobenzene-d5	50.1	23-150	%REC	2		9/21/2013 02:57 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130923A	QC Batch: 43905	PrepDate: 9/18/2013	Analyst: CEI		
Lead	32	5.0	mg/Kg	1	9/23/2013 05:34 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B6-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:42:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-034		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B				EPA 8270CSIM		
RunID: MS3_130921B	QC Batch: 43910			PrepDate: 9/19/2013	Analyst: MDM	
2-Methylnaphthalene	22	10		µg/Kg	2	9/21/2013 09:36 PM
Acenaphthene	15	10		µg/Kg	2	9/21/2013 09:36 PM
Acenaphthylene	ND	1000		µg/Kg	200	9/21/2013 03:53 PM
Anthracene	ND	1000		µg/Kg	200	9/21/2013 03:53 PM
Benzo(a)anthracene	5300	1000		µg/Kg	200	9/21/2013 03:53 PM
Benzo(a)pyrene	7400	1000		µg/Kg	200	9/21/2013 03:53 PM
Benzo(b)fluoranthene	11000	1000		µg/Kg	200	9/21/2013 03:53 PM
Benzo(g,h,i)perylene	3900	1000		µg/Kg	200	9/21/2013 03:53 PM
Benzo(k)fluoranthene	4000	1000		µg/Kg	200	9/21/2013 03:53 PM
Chrysene	6200	1000		µg/Kg	200	9/21/2013 03:53 PM
Dibenz(a,h)anthracene	ND	1000		µg/Kg	200	9/21/2013 03:53 PM
Fluoranthene	18000	1000		µg/Kg	200	9/21/2013 03:53 PM
Fluorene	57	10		µg/Kg	2	9/21/2013 09:36 PM
Indeno(1,2,3-cd)pyrene	3600	1000		µg/Kg	200	9/21/2013 03:53 PM
Naphthalene	110	10		µg/Kg	2	9/21/2013 09:36 PM
Phenanthrene	5800	1000		µg/Kg	200	9/21/2013 03:53 PM
Pyrene	20000	1000		µg/Kg	200	9/21/2013 03:53 PM
Surr: 1,2-Dichlorobenzene-d4	46.0	14-120		%REC	2	9/21/2013 09:36 PM
Surr: 2-Fluorobiphenyl	44.0	28-130		%REC	2	9/21/2013 09:36 PM
Surr: 4-Terphenyl-d14	200	19-165	SDO	%REC	200	9/21/2013 03:53 PM
Surr: Nitrobenzene-d5	48.0	23-150		%REC	2	9/21/2013 09:36 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471				EPA 7471A		
RunID: AA1_130918E	QC Batch: 43891			PrepDate: 9/17/2013	Analyst: JT	
Mercury	0.41	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

EPA 3050B				EPA 6010B		
RunID: ICP2_130920B	QC Batch: 43913			PrepDate: 9/19/2013	Analyst: JT	
Antimony	31	2.0		mg/Kg	1	9/20/2013 03:31 PM
Arsenic	12	1.0		mg/Kg	1	9/20/2013 03:31 PM
Barium	120	1.0		mg/Kg	1	9/20/2013 03:31 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 03:31 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 03:31 PM
Chromium	24	1.0		mg/Kg	1	9/20/2013 03:31 PM
Cobalt	8.3	1.0		mg/Kg	1	9/20/2013 03:31 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B6-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:42:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-034		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130920B	QC Batch: 43913			PrepDate:	9/19/2013	Analyst: JT
Copper	89	2.0		mg/Kg	1	9/20/2013 03:31 PM
Lead	280	1.0		mg/Kg	1	9/20/2013 03:31 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 03:31 PM
Nickel	25	1.0		mg/Kg	1	9/20/2013 03:31 PM
Selenium	2.0	1.0		mg/Kg	1	9/20/2013 03:31 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 03:31 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 03:31 PM
Vanadium	39	1.0		mg/Kg	1	9/20/2013 03:31 PM
Zinc	180	1.0		mg/Kg	1	9/20/2013 03:31 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B6-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:44:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-035		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B			EPA 8270CSIM			
RunID:	MS3_130919C	QC Batch:	43910	PrepDate:	9/19/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Anthracene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Benzo(a)anthracene	24	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Benzo(a)pyrene	36	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Benzo(b)fluoranthene	52	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Benzo(g,h,i)perylene	23	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Benzo(k)fluoranthene	20	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Chrysene	32	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Dibenz(a,h)anthracene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Fluoranthene	83	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Fluorene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Indeno(1,2,3-cd)pyrene	20	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Phenanthrene	29	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Pyrene	90	5.0	µg/Kg	1	9/19/2013 07:20 PM	
Surr: 1,2-Dichlorobenzene-d4	45.0	14-120	%REC	1	9/19/2013 07:20 PM	
Surr: 2-Fluorobiphenyl	52.1	28-130	%REC	1	9/19/2013 07:20 PM	
Surr: 4-Terphenyl-d14	67.1	19-165	%REC	1	9/19/2013 07:20 PM	
Surr: Nitrobenzene-d5	67.1	23-150	%REC	1	9/19/2013 07:20 PM	

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B			EPA 8081A			
RunID:	GC7_130919A	QC Batch:	43887	PrepDate:	9/17/2013	Analyst: MDM
4,4'-DDD	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
4,4'-DDE	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
4,4'-DDT	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
Aldrin	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
alpha-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
alpha-Chlordane	2.5	1.0	µg/Kg	1	9/19/2013 11:58 AM	
beta-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
Chlordane	ND	8.5	µg/Kg	1	9/19/2013 11:58 AM	
delta-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
Dieldrin	2.5	2.0	µg/Kg	1	9/19/2013 11:58 AM	
Endosulfan I	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
Endosulfan II	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-035

**Client Sample ID:** B6-10  
**Collection Date:** 9/11/2013 1:44:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
Endrin	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/19/2013 11:58 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
gamma-Chlordane	2.6	1.0	µg/Kg	1	9/19/2013 11:58 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/19/2013 11:58 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/19/2013 11:58 AM	
Toxaphene	ND	85	µg/Kg	1	9/19/2013 11:58 AM	
Surr: Tetrachloro-m-xylene	49.2	28-161	%REC	1	9/19/2013 11:58 AM	
Surr: Decachlorobiphenyl	54.9	28-120	%REC	1	9/19/2013 11:58 AM	

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Aroclor 1016	ND	17	µg/Kg	1	9/18/2013 02:10 PM	
Aroclor 1221	ND	33	µg/Kg	1	9/18/2013 02:10 PM	
Aroclor 1232	ND	17	µg/Kg	1	9/18/2013 02:10 PM	
Aroclor 1242	ND	17	µg/Kg	1	9/18/2013 02:10 PM	
Aroclor 1248	ND	17	µg/Kg	1	9/18/2013 02:10 PM	
Aroclor 1254	ND	17	µg/Kg	1	9/18/2013 02:10 PM	
Aroclor 1260	ND	17	µg/Kg	1	9/18/2013 02:10 PM	
Surr: Decachlorobiphenyl	59.3	40-146	%REC	1	9/18/2013 02:10 PM	
Surr: Tetrachloro-m-xylene	55.9	32-109	%REC	1	9/18/2013 02:10 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43905	PrepDate:	9/18/2013	Analyst: CEI		
Lead	9.2	5.0	mg/Kg	1	9/23/2013 05:38 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-036

**Client Sample ID:** B6-15.5  
**Collection Date:** 9/11/2013 1:46:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID:	MS3_130921B	QC Batch:	43910	PrepDate:	9/19/2013	Analyst:	MDM
2-Methylnaphthalene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Acenaphthene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Acenaphthylene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Anthracene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Benzo(a)anthracene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Benzo(a)pyrene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Benzo(b)fluoranthene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Benzo(g,h,i)perylene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Benzo(k)fluoranthene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Chrysene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Dibenz(a,h)anthracene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Fluoranthene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Fluorene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Indeno(1,2,3-cd)pyrene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Naphthalene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Phenanthrene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Pyrene	ND	10	µg/Kg	2	9/21/2013 02:02 PM		
Surr: 1,2-Dichlorobenzene-d4	58.1	14-120	%REC	2	9/21/2013 02:02 PM		
Surr: 2-Fluorobiphenyl	52.1	28-130	%REC	2	9/21/2013 02:02 PM		
Surr: 4-Terphenyl-d14	80.1	19-165	%REC	2	9/21/2013 02:02 PM		
Surr: Nitrobenzene-d5	56.1	23-150	%REC	2	9/21/2013 02:02 PM		

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID:	AA1_130918E	QC Batch:	43891	PrepDate:	9/17/2013	Analyst:	JT
Mercury	ND	0.10	mg/Kg	1	9/18/2013		

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID:	ICP2_130920B	QC Batch:	43913	PrepDate:	9/19/2013	Analyst:	JT
Antimony	ND	2.0	mg/Kg	1	9/20/2013 03:38 PM		
Arsenic	3.5	1.0	mg/Kg	1	9/20/2013 03:38 PM		
Barium	240	1.0	mg/Kg	1	9/20/2013 03:38 PM		
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 03:38 PM		
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 03:38 PM		
Chromium	28	1.0	mg/Kg	1	9/20/2013 03:38 PM		
Cobalt	11	1.0	mg/Kg	1	9/20/2013 03:38 PM		

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B6-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/11/2013 1:46:00 PM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-036		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130920B	QC Batch: 43913			PrepDate: 9/19/2013		Analyst: JT
Copper	18	2.0		mg/Kg	1	9/20/2013 03:38 PM
Lead	19	1.0		mg/Kg	1	9/20/2013 03:38 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 03:38 PM
Nickel	40	1.0		mg/Kg	1	9/20/2013 03:38 PM
Selenium	1.6	1.0		mg/Kg	1	9/20/2013 03:38 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 03:38 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 03:38 PM
Vanadium	35	1.0		mg/Kg	1	9/20/2013 03:38 PM
Zinc	47	1.0		mg/Kg	1	9/20/2013 03:38 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-037

**Client Sample ID:** B7-0  
**Collection Date:** 9/12/2013 8:00:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	49	5.0		mg/Kg	5	9/20/2013 08:22 PM
ORO	160	5.0		mg/Kg	5	9/20/2013 08:22 PM
Surr: p-Terphenyl	71.3	59-127		%REC	5	9/20/2013 08:22 PM
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
<b>EPA 7471</b>			<b>EPA 7471A</b>			
RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.17	0.10		mg/Kg	1	9/18/2013
<b>ICP METALS</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130920B	QC Batch: 43913				PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/20/2013 03:45 PM
Arsenic	13	1.0		mg/Kg	1	9/20/2013 03:45 PM
Barium	120	1.0		mg/Kg	1	9/20/2013 03:45 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 03:45 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 03:45 PM
Chromium	24	1.0		mg/Kg	1	9/20/2013 03:45 PM
Cobalt	9.9	1.0		mg/Kg	1	9/20/2013 03:45 PM
Copper	26	2.0		mg/Kg	1	9/20/2013 03:45 PM
Lead	18	1.0		mg/Kg	1	9/20/2013 03:45 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 03:45 PM
Nickel	18	1.0		mg/Kg	1	9/20/2013 03:45 PM
Selenium	2.3	1.0		mg/Kg	1	9/20/2013 03:45 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 03:45 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 03:45 PM
Vanadium	36	1.0		mg/Kg	1	9/20/2013 03:45 PM
Zinc	88	1.0		mg/Kg	1	9/20/2013 03:45 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-038

**Client Sample ID:** B7-5  
**Collection Date:** 9/12/2013 8:02:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	900	40		mg/Kg	40	9/20/2013 08:48 PM
ORO	2000	40		mg/Kg	40	9/20/2013 08:48 PM
Surr: p-Terphenyl	89.3	59-127		%REC	40	9/20/2013 08:48 PM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	160	5.0		mg/Kg	1	9/23/2013 06:21 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B7-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:04:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-039		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 06:14 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B7-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:04:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-039		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 06:14 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 06:14 PM
Surr: 1,2-Dichloroethane-d4	91.2	63-139	%REC	1	9/20/2013 06:14 PM
Surr: 4-Bromofluorobenzene	76.5	75-124	%REC	1	9/20/2013 06:14 PM
Surr: Dibromofluoromethane	87.2	70-133	%REC	1	9/20/2013 06:14 PM
Surr: Toluene-d8	79.6	80-123	%REC	1	9/20/2013 06:14 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	120	5.0	mg/Kg	5	9/20/2013 09:13 PM
ORO	240	5.0	mg/Kg	5	9/20/2013 09:13 PM
Surr: p-Terphenyl	98.7	59-127	%REC	5	9/20/2013 09:13 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B7-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:04:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-039		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 12:08 PM
Surr: Chlorobenzene - d5	108	51-136	%REC	1	9/19/2013 12:08 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914	PrepDate: 9/19/2013	Analyst: <b>CEI</b>		
Lead	120	5.0	mg/Kg	1	9/23/2013 07:09 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B7-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:06:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-040		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 06:36 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B7-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:06:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-040		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 06:36 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 06:36 PM
Surr: 1,2-Dichloroethane-d4	93.5	63-139	%REC	1	9/20/2013 06:36 PM
Surr: 4-Bromofluorobenzene	79.8	75-124	%REC	1	9/20/2013 06:36 PM
Surr: Dibromofluoromethane	88.4	70-133	%REC	1	9/20/2013 06:36 PM
Surr: Toluene-d8	83.9	80-123	%REC	1	9/20/2013 06:36 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	36	5.0	mg/Kg	5	9/20/2013 09:39 PM
ORO	96	5.0	mg/Kg	5	9/20/2013 09:39 PM
Surr: p-Terphenyl	102	59-127	%REC	5	9/20/2013 09:39 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B7-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:06:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-040		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 10:42 AM
Surr: Chlorobenzene - d5	101	51-136	%REC	1	9/19/2013 10:42 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914	PrepDate: 9/19/2013	Analyst: <b>CEI</b>		
Lead	41	5.0	mg/Kg	1	9/23/2013 07:20 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B8-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:40:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-041		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130921B	QC Batch: 43910			PrepDate: 9/19/2013	Analyst: MDM
2-Methylnaphthalene	10	10	µg/Kg	2	9/21/2013 04:21 PM
Acenaphthene	53	10	µg/Kg	2	9/21/2013 04:21 PM
Acenaphthylene	29	10	µg/Kg	2	9/21/2013 04:21 PM
Anthracene	97	10	µg/Kg	2	9/21/2013 04:21 PM
Benzo(a)anthracene	190	10	µg/Kg	2	9/21/2013 04:21 PM
Benzo(a)pyrene	120	50	µg/Kg	10	9/22/2013 11:48 PM
Benzo(b)fluoranthene	130	50	µg/Kg	10	9/22/2013 11:48 PM
Benzo(g,h,i)perylene	100	50	µg/Kg	10	9/22/2013 11:48 PM
Benzo(k)fluoranthene	50	50	µg/Kg	10	9/22/2013 11:48 PM
Chrysene	210	10	µg/Kg	2	9/21/2013 04:21 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/22/2013 11:48 PM
Fluoranthene	510	10	µg/Kg	2	9/21/2013 04:21 PM
Fluorene	51	10	µg/Kg	2	9/21/2013 04:21 PM
Indeno(1,2,3-cd)pyrene	57	50	µg/Kg	10	9/22/2013 11:48 PM
Naphthalene	13	10	µg/Kg	2	9/21/2013 04:21 PM
Phenanthrene	390	10	µg/Kg	2	9/21/2013 04:21 PM
Pyrene	270	50	µg/Kg	10	9/22/2013 11:48 PM
Surr: 1,2-Dichlorobenzene-d4	62.1	14-120	%REC	2	9/21/2013 04:21 PM
Surr: 2-Fluorobiphenyl	62.1	28-130	%REC	2	9/21/2013 04:21 PM
Surr: 4-Terphenyl-d14	112	19-165	%REC	2	9/21/2013 04:21 PM
Surr: Nitrobenzene-d5	68.1	23-150	%REC	2	9/21/2013 04:21 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887			PrepDate: 9/17/2013	Analyst: MDM
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 12:24 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 12:24 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 12:24 PM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 12:24 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 12:24 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 12:24 PM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 12:24 PM
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 12:24 PM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 12:24 PM
Dieldrin	4.9	2.0	µg/Kg	1	9/20/2013 12:24 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 12:24 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 12:24 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B8-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:40:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-041		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/20/2013 12:24 PM
Endrin	ND	2.0	µg/Kg	1		9/20/2013 12:24 PM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/20/2013 12:24 PM
Endrin ketone	ND	2.0	µg/Kg	1		9/20/2013 12:24 PM
gamma-BHC	ND	1.0	µg/Kg	1		9/20/2013 12:24 PM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/20/2013 12:24 PM
Heptachlor	ND	1.0	µg/Kg	1		9/20/2013 12:24 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/20/2013 12:24 PM
Methoxychlor	ND	8.5	µg/Kg	1		9/20/2013 12:24 PM
Toxaphene	ND	85	µg/Kg	1		9/20/2013 12:24 PM
Surr: Tetrachloro-m-xylene	68.0	28-161	%REC	1		9/20/2013 12:24 PM
Surr: Decachlorobiphenyl	60.6	28-120	%REC	1		9/20/2013 12:24 PM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
Aroclor 1016	ND	16	µg/Kg	1		9/18/2013 12:41 PM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 12:41 PM
Aroclor 1232	ND	16	µg/Kg	1		9/18/2013 12:41 PM
Aroclor 1242	ND	16	µg/Kg	1		9/18/2013 12:41 PM
Aroclor 1248	ND	16	µg/Kg	1		9/18/2013 12:41 PM
Aroclor 1254	ND	16	µg/Kg	1		9/18/2013 12:41 PM
Aroclor 1260	ND	16	µg/Kg	1		9/18/2013 12:41 PM
Surr: Decachlorobiphenyl	69.5	40-146	%REC	1		9/18/2013 12:41 PM
Surr: Tetrachloro-m-xylene	67.9	32-109	%REC	1		9/18/2013 12:41 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43891	PrepDate:	9/17/2013	Analyst:	JT	
Mercury	0.15	0.10	mg/Kg	1		9/18/2013

**ICP METALS**

EPA 3050B		EPA 6010B				
RunID: ICP2_130920B	QC Batch: 43913	PrepDate:	9/19/2013	Analyst:	JT	
Antimony	ND	2.0	mg/Kg	1		9/20/2013 03:52 PM
Arsenic	5.7	1.0	mg/Kg	1		9/20/2013 03:52 PM
Barium	130	1.0	mg/Kg	1		9/20/2013 03:52 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B8-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:40:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-041		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130920B	QC Batch: 43913			PrepDate: 9/19/2013		Analyst: JT
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 03:52 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 03:52 PM
Chromium	30	1.0		mg/Kg	1	9/20/2013 03:52 PM
Cobalt	9.6	1.0		mg/Kg	1	9/20/2013 03:52 PM
Copper	31	2.0		mg/Kg	1	9/20/2013 03:52 PM
Lead	220	1.0		mg/Kg	1	9/20/2013 03:52 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 03:52 PM
Nickel	27	1.0		mg/Kg	1	9/20/2013 03:52 PM
Selenium	1.8	1.0		mg/Kg	1	9/20/2013 03:52 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 03:52 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 03:52 PM
Vanadium	46	1.0		mg/Kg	1	9/20/2013 03:52 PM
Zinc	110	1.0		mg/Kg	1	9/20/2013 03:52 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B8-5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:42:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-042		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130921B	QC Batch: 43910				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	10		µg/Kg	2	9/21/2013 04:49 PM
Acenaphthene	ND	10		µg/Kg	2	9/21/2013 04:49 PM
Acenaphthylene	23	10		µg/Kg	2	9/21/2013 04:49 PM
Anthracene	28	10		µg/Kg	2	9/21/2013 04:49 PM
Benzo(a)anthracene	190	50		µg/Kg	10	9/23/2013 12:15 AM
Benzo(a)pyrene	300	50		µg/Kg	10	9/23/2013 12:15 AM
Benzo(b)fluoranthene	330	50		µg/Kg	10	9/23/2013 12:15 AM
Benzo(g,h,i)perylene	190	50		µg/Kg	10	9/23/2013 12:15 AM
Benzo(k)fluoranthene	120	50		µg/Kg	10	9/23/2013 12:15 AM
Chrysene	220	50		µg/Kg	10	9/23/2013 12:15 AM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/23/2013 12:15 AM
Fluoranthene	270	10		µg/Kg	2	9/21/2013 04:49 PM
Fluorene	ND	10		µg/Kg	2	9/21/2013 04:49 PM
Indeno(1,2,3-cd)pyrene	110	50		µg/Kg	10	9/23/2013 12:15 AM
Naphthalene	ND	10		µg/Kg	2	9/21/2013 04:49 PM
Phenanthrene	130	10		µg/Kg	2	9/21/2013 04:49 PM
Pyrene	290	10		µg/Kg	2	9/21/2013 04:49 PM
Surr: 1,2-Dichlorobenzene-d4	56.1	14-120		%REC	2	9/21/2013 04:49 PM
Surr: 2-Fluorobiphenyl	56.1	28-130		%REC	2	9/21/2013 04:49 PM
Surr: 4-Terphenyl-d14	90.1	19-165		%REC	10	9/23/2013 12:15 AM
Surr: Nitrobenzene-d5	62.1	23-150		%REC	2	9/21/2013 04:49 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	200	5.0		mg/Kg	1	9/23/2013 07:24 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B8-10
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:44:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-043		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130921B	QC Batch: 43910				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Acenaphthene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Acenaphthylene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Anthracene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Benzo(a)anthracene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Benzo(a)pyrene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Benzo(b)fluoranthene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Benzo(g,h,i)perylene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Benzo(k)fluoranthene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Chrysene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Dibenz(a,h)anthracene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Fluoranthene	11	10		µg/Kg	2	9/21/2013 02:30 PM
Fluorene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Naphthalene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Phenanthrene	ND	10		µg/Kg	2	9/21/2013 02:30 PM
Pyrene	13	10		µg/Kg	2	9/21/2013 02:30 PM
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120		%REC	2	9/21/2013 02:30 PM
Surr: 2-Fluorobiphenyl	48.0	28-130		%REC	2	9/21/2013 02:30 PM
Surr: 4-Terphenyl-d14	74.1	19-165		%REC	2	9/21/2013 02:30 PM
Surr: Nitrobenzene-d5	54.1	23-150		%REC	2	9/21/2013 02:30 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	28	5.0		mg/Kg	1	9/23/2013 07:29 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B8-15.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 8:46:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-044		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130921B	QC Batch: 43910			PrepDate:	9/19/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	10		µg/Kg	2	9/21/2013 05:17 PM
Acenaphthene	ND	10		µg/Kg	2	9/21/2013 05:17 PM
Acenaphthylene	ND	10		µg/Kg	2	9/21/2013 05:17 PM
Anthracene	ND	10		µg/Kg	2	9/21/2013 05:17 PM
Benzo(a)anthracene	29	10		µg/Kg	2	9/21/2013 05:17 PM
Benzo(a)pyrene	190	50		µg/Kg	10	9/23/2013 12:43 AM
Benzo(b)fluoranthene	250	50		µg/Kg	10	9/23/2013 12:43 AM
Benzo(g,h,i)perylene	80	50		µg/Kg	10	9/23/2013 12:43 AM
Benzo(k)fluoranthene	100	50		µg/Kg	10	9/23/2013 12:43 AM
Chrysene	29	10		µg/Kg	2	9/21/2013 05:17 PM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/23/2013 12:43 AM
Fluoranthene	45	10		µg/Kg	2	9/21/2013 05:17 PM
Fluorene	ND	10		µg/Kg	2	9/21/2013 05:17 PM
Indeno(1,2,3-cd)pyrene	64	50		µg/Kg	10	9/23/2013 12:43 AM
Naphthalene	ND	10		µg/Kg	2	9/21/2013 05:17 PM
Phenanthrene	29	10		µg/Kg	2	9/21/2013 05:17 PM
Pyrene	39	10		µg/Kg	2	9/21/2013 05:17 PM
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120		%REC	2	9/21/2013 05:17 PM
Surr: 2-Fluorobiphenyl	52.1	28-130		%REC	2	9/21/2013 05:17 PM
Surr: 4-Terphenyl-d14	104	19-165		%REC	2	9/21/2013 05:17 PM
Surr: Nitrobenzene-d5	56.1	23-150		%REC	2	9/21/2013 05:17 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914			PrepDate:	9/19/2013	Analyst: <b>CEI</b>
Lead	74	5.0		mg/Kg	1	9/23/2013 07:34 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:20:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-045		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130920A	QC Batch: 43910	PrepDate:	9/19/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Anthracene	12	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Benzo(a)anthracene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Chrysene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Fluoranthene	66	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Fluorene	ND	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 01:11 AM	
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Phenanthrene	36	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Pyrene	57	5.0	µg/Kg	1	9/20/2013 05:14 PM	
Surr: 1,2-Dichlorobenzene-d4	60.1	14-120	%REC	1	9/20/2013 05:14 PM	
Surr: 2-Fluorobiphenyl	63.1	28-130	%REC	1	9/20/2013 05:14 PM	
Surr: 4-Terphenyl-d14	90.1	19-165	%REC	10	9/23/2013 01:11 AM	
Surr: Nitrobenzene-d5	62.1	23-150	%REC	1	9/20/2013 05:14 PM	

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst:	MDM	
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 12:51 PM	
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 12:51 PM	
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 12:51 PM	
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 12:51 PM	
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 12:51 PM	
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 12:51 PM	
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 12:51 PM	
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 12:51 PM	
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 12:51 PM	
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 12:51 PM	
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 12:51 PM	
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 12:51 PM	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-045

**Client Sample ID:** D1-0  
**Collection Date:** 9/12/2013 9:20:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919A	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/20/2013 12:51 PM
Endrin	ND	2.0	µg/Kg	1		9/20/2013 12:51 PM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/20/2013 12:51 PM
Endrin ketone	ND	2.0	µg/Kg	1		9/20/2013 12:51 PM
gamma-BHC	ND	1.0	µg/Kg	1		9/20/2013 12:51 PM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/20/2013 12:51 PM
Heptachlor	ND	1.0	µg/Kg	1		9/20/2013 12:51 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/20/2013 12:51 PM
Methoxychlor	ND	8.5	µg/Kg	1		9/20/2013 12:51 PM
Toxaphene	ND	85	µg/Kg	1		9/20/2013 12:51 PM
Surr: Tetrachloro-m-xylene	70.2	28-161	%REC	1		9/20/2013 12:51 PM
Surr: Decachlorobiphenyl	67.4	28-120	%REC	1		9/20/2013 12:51 PM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130917B	QC Batch: 43887	PrepDate:	9/17/2013	Analyst: MDM		
Aroclor 1016	ND	17	µg/Kg	1		9/18/2013 01:11 PM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 01:11 PM
Aroclor 1232	ND	17	µg/Kg	1		9/18/2013 01:11 PM
Aroclor 1242	ND	17	µg/Kg	1		9/18/2013 01:11 PM
Aroclor 1248	ND	17	µg/Kg	1		9/18/2013 01:11 PM
Aroclor 1254	ND	17	µg/Kg	1		9/18/2013 01:11 PM
Aroclor 1260	ND	17	µg/Kg	1		9/18/2013 01:11 PM
Surr: Decachlorobiphenyl	73.6	40-146	%REC	1		9/18/2013 01:11 PM
Surr: Tetrachloro-m-xylene	78.0	32-109	%REC	1		9/18/2013 01:11 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914	PrepDate:	9/19/2013	Analyst: CEI		
Lead	16	5.0	mg/Kg	1		9/23/2013 07:39 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-046		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Anthracene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Benzo(a)anthracene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 01:39 AM
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 01:39 AM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 01:39 AM
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 01:39 AM
Chrysene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 01:39 AM
Fluoranthene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Fluorene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 01:39 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Phenanthrene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Pyrene	ND	5.0	µg/Kg	1	9/20/2013 12:21 PM
Surr: 1,2-Dichlorobenzene-d4	53.1	14-120	%REC	1	9/20/2013 12:21 PM
Surr: 2-Fluorobiphenyl	55.1	28-130	%REC	1	9/20/2013 12:21 PM
Surr: 4-Terphenyl-d14	85.1	19-165	%REC	1	9/20/2013 12:21 PM
Surr: Nitrobenzene-d5	55.1	23-150	%REC	1	9/20/2013 12:21 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 06:57 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-046		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: QBM		
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Benzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 06:57 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
MTBE	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-046		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 06:57 PM
Surr: 1,2-Dichloroethane-d4	95.3	63-139	%REC	1	9/20/2013 06:57 PM
Surr: 4-Bromofluorobenzene	86.1	75-124	%REC	1	9/20/2013 06:57 PM
Surr: Dibromofluoromethane	92.5	70-133	%REC	1	9/20/2013 06:57 PM
Surr: Toluene-d8	87.9	80-123	%REC	1	9/20/2013 06:57 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 12:37 PM
Surr: Chlorobenzene - d5	107	51-136	%REC	1	9/19/2013 12:37 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914	PrepDate:	9/19/2013	Analyst: <b>CEI</b>	
Lead	ND	5.0	mg/Kg	1	9/23/2013 07:43 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-047		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HEXAVALENT CHROMIUM**

**EPA 3060A**

**EPA 7196A**

RunID: WETCHEM_130920D	QC Batch: 43908			PrepDate: 9/19/2013	Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0	mg/Kg	1	9/20/2013

**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910			PrepDate: 9/19/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 12:49 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 12:49 PM
Acenaphthylene	16	5.0	µg/Kg	1	9/20/2013 12:49 PM
Anthracene	25	5.0	µg/Kg	1	9/20/2013 12:49 PM
Benzo(a)anthracene	110	5.0	µg/Kg	1	9/20/2013 12:49 PM
Benzo(a)pyrene	320	50	µg/Kg	10	9/23/2013 02:06 AM
Benzo(b)fluoranthene	270	50	µg/Kg	10	9/23/2013 02:06 AM
Benzo(g,h,i)perylene	230	50	µg/Kg	10	9/23/2013 02:06 AM
Benzo(k)fluoranthene	120	50	µg/Kg	10	9/23/2013 02:06 AM
Chrysene	140	5.0	µg/Kg	1	9/20/2013 12:49 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 02:06 AM
Fluoranthene	450	50	µg/Kg	10	9/23/2013 02:06 AM
Fluorene	5.3	5.0	µg/Kg	1	9/20/2013 12:49 PM
Indeno(1,2,3-cd)pyrene	110	50	µg/Kg	10	9/23/2013 02:06 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 12:49 PM
Phenanthrene	130	5.0	µg/Kg	1	9/20/2013 12:49 PM
Pyrene	780	50	µg/Kg	10	9/23/2013 02:06 AM
Surr: 1,2-Dichlorobenzene-d4	50.1	14-120	%REC	1	9/20/2013 12:49 PM
Surr: 2-Fluorobiphenyl	53.1	28-130	%REC	1	9/20/2013 12:49 PM
Surr: 4-Terphenyl-d14	86.1	19-165	%REC	1	9/20/2013 12:49 PM
Surr: Nitrobenzene-d5	55.1	23-150	%REC	1	9/20/2013 12:49 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003			PrepDate:	Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-047		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130921A	QC Batch:	Q13VS003	PrepDate:	Analyst:	QBM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 11:59 AM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Benzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM	
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 11:59 AM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D1-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-047		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 11:59 AM
Surr: 1,2-Dichloroethane-d4	102	63-139	%REC	1	9/21/2013 11:59 AM
Surr: 4-Bromofluorobenzene	85.9	75-124	%REC	1	9/21/2013 11:59 AM
Surr: Dibromofluoromethane	96.7	70-133	%REC	1	9/21/2013 11:59 AM
Surr: Toluene-d8	86.8	80-123	%REC	1	9/21/2013 11:59 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 02:03 PM
Surr: Chlorobenzene - d5	86.8	51-136	%REC	1	9/19/2013 02:03 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.13	0.099	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913	PrepDate: 9/19/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/20/2013 03:59 PM
Arsenic	4.2	1.0	mg/Kg	1	9/20/2013 03:59 PM
Barium	100	1.0	mg/Kg	1	9/20/2013 03:59 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-047

**Client Sample ID:** D1-7.5  
**Collection Date:** 9/12/2013 9:24:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS**

RunID:	EPA 3050B			EPA 6010B		
	ICP2_130920B	QC Batch:	43913	PrepDate:	9/19/2013	Analyst: JT
Beryllium	ND	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Cadmium	ND	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Chromium	47	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Cobalt	11	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Copper	48	2.0	mg/Kg	1	9/20/2013 03:59 PM	
Lead	100	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Molybdenum	ND	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Nickel	40	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Selenium	1.1	1.0	mg/Kg	1	9/20/2013 05:09 PM	
Silver	ND	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Thallium	ND	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Vanadium	34	1.0	mg/Kg	1	9/20/2013 03:59 PM	
Zinc	93	1.0	mg/Kg	1	9/20/2013 03:59 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-048

**Client Sample ID:** D2-0  
**Collection Date:** 9/12/2013 9:35:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	31	5.0		mg/Kg	5	9/20/2013 10:04 PM
ORO	88	5.0		mg/Kg	5	9/20/2013 10:04 PM
Surr: p-Terphenyl	58.9	59-127	S	%REC	5	9/20/2013 10:04 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.20	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130920B	QC Batch: 43913				PrepDate: 9/19/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/20/2013 04:07 PM
Arsenic	10	1.0		mg/Kg	1	9/20/2013 04:07 PM
Barium	100	1.0		mg/Kg	1	9/20/2013 04:07 PM
Beryllium	ND	1.0		mg/Kg	1	9/20/2013 04:07 PM
Cadmium	ND	1.0		mg/Kg	1	9/20/2013 04:07 PM
Chromium	21	1.0		mg/Kg	1	9/20/2013 04:07 PM
Cobalt	8.2	1.0		mg/Kg	1	9/20/2013 04:07 PM
Copper	23	2.0		mg/Kg	1	9/20/2013 04:07 PM
Lead	11	1.0		mg/Kg	1	9/20/2013 04:07 PM
Molybdenum	ND	1.0		mg/Kg	1	9/20/2013 04:07 PM
Nickel	15	1.0		mg/Kg	1	9/20/2013 04:07 PM
Selenium	2.1	1.0		mg/Kg	1	9/20/2013 04:07 PM
Silver	ND	1.0		mg/Kg	1	9/20/2013 04:07 PM
Thallium	ND	1.0		mg/Kg	1	9/20/2013 04:07 PM
Vanadium	36	1.0		mg/Kg	1	9/20/2013 04:07 PM
Zinc	83	1.0		mg/Kg	1	9/20/2013 04:07 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D2-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-049		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	5.0	1.0		mg/Kg	1	9/21/2013 01:04 AM
ORO	11	1.0		mg/Kg	1	9/21/2013 01:04 AM
Surr: p-Terphenyl	96.3	59-127		%REC	1	9/21/2013 01:04 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919A	QC Batch: 43887				PrepDate: 9/17/2013	Analyst: <b>MDM</b>
4,4'-DDD	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
4,4'-DDE	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
4,4'-DDT	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
Aldrin	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
alpha-BHC	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
alpha-Chlordane	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
beta-BHC	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
Chlordane	ND	8.5		µg/Kg	1	9/20/2013 01:17 AM
delta-BHC	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
Dieldrin	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
Endosulfan I	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
Endosulfan II	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
Endrin	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
Endrin ketone	ND	2.0		µg/Kg	1	9/20/2013 01:17 AM
gamma-BHC	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
Heptachlor	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/20/2013 01:17 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/20/2013 01:17 AM
Toxaphene	ND	85		µg/Kg	1	9/20/2013 01:17 AM
Surr: Tetrachloro-m-xylene	40.6	28-161		%REC	1	9/20/2013 01:17 AM
Surr: Decachlorobiphenyl	47.9	28-120		%REC	1	9/20/2013 01:17 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130917B	QC Batch: 43887				PrepDate: 9/17/2013	Analyst: <b>MDM</b>
Aroclor 1016	ND	17		µg/Kg	1	9/18/2013 01:40 PM
Aroclor 1221	ND	33		µg/Kg	1	9/18/2013 01:40 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-049

**Client Sample ID:** D2-4  
**Collection Date:** 9/12/2013 9:37:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**PCBS BY GC/ECD**

EPA 3550B		EPA 8082	
RunID: GC7_130917B	QC Batch: 43887	PrepDate: 9/17/2013	Analyst: <b>MDM</b>
Aroclor 1232	ND	17	µg/Kg
Aroclor 1242	ND	17	µg/Kg
Aroclor 1248	ND	17	µg/Kg
Aroclor 1254	ND	17	µg/Kg
Aroclor 1260	ND	17	µg/Kg
Surr: Decachlorobiphenyl	45.1	40-146	%REC
Surr: Tetrachloro-m-xylene	36.8	32-109	%REC

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A	
RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	ND	0.099	mg/Kg

**ICP METALS**

EPA 3050B		EPA 6010B	
RunID: ICP2_130921A	QC Batch: 43923	PrepDate: 9/20/2013	Analyst: <b>JT</b>
Antimony	ND	2.0	mg/Kg
Arsenic	4.1	1.0	mg/Kg
Barium	140	1.0	mg/Kg
Beryllium	ND	1.0	mg/Kg
Cadmium	ND	1.0	mg/Kg
Chromium	34	1.0	mg/Kg
Cobalt	11	1.0	mg/Kg
Copper	22	2.0	mg/Kg
Lead	24	1.0	mg/Kg
Molybdenum	ND	1.0	mg/Kg
Nickel	43	1.0	mg/Kg
Selenium	1.3	1.0	mg/Kg
Silver	ND	1.0	mg/Kg
Thallium	ND	1.0	mg/Kg
Vanadium	39	1.0	mg/Kg
Zinc	50	1.0	mg/Kg

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-050

**Client Sample ID:** D2-7.5  
**Collection Date:** 9/12/2013 9:39:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	20	5.0		mg/Kg	5	9/21/2013 01:55 AM
ORO	56	5.0		mg/Kg	5	9/21/2013 01:55 AM
Surr: p-Terphenyl	74.7	59-127		%REC	5	9/21/2013 01:55 AM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	29	5.0		mg/Kg	1	9/23/2013 07:48 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D3-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:45:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-051		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130920A	QC Batch: 43910			PrepDate:	9/19/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/20/2013 01:31 PM
Acenaphthene	ND	5.0		µg/Kg	1	9/20/2013 01:31 PM
Acenaphthylene	ND	5.0		µg/Kg	1	9/20/2013 01:31 PM
Anthracene	ND	5.0		µg/Kg	1	9/20/2013 01:31 PM
Benzo(a)anthracene	9.3	5.0		µg/Kg	1	9/20/2013 01:31 PM
Benzo(a)pyrene	ND	50		µg/Kg	10	9/23/2013 02:34 AM
Benzo(b)fluoranthene	ND	50		µg/Kg	10	9/23/2013 02:34 AM
Benzo(g,h,i)perylene	ND	50		µg/Kg	10	9/23/2013 02:34 AM
Benzo(k)fluoranthene	ND	50		µg/Kg	10	9/23/2013 02:34 AM
Chrysene	20	5.0		µg/Kg	1	9/20/2013 01:31 PM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/23/2013 02:34 AM
Fluoranthene	23	5.0		µg/Kg	1	9/20/2013 01:31 PM
Fluorene	ND	5.0		µg/Kg	1	9/20/2013 01:31 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/Kg	10	9/23/2013 02:34 AM
Naphthalene	ND	5.0		µg/Kg	1	9/20/2013 01:31 PM
Phenanthrene	13	5.0		µg/Kg	1	9/20/2013 01:31 PM
Pyrene	24	5.0		µg/Kg	1	9/20/2013 01:31 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120		%REC	1	9/20/2013 01:31 PM
Surr: 2-Fluorobiphenyl	49.0	28-130		%REC	1	9/20/2013 01:31 PM
Surr: 4-Terphenyl-d14	91.1	19-165		%REC	1	9/20/2013 01:31 PM
Surr: Nitrobenzene-d5	48.0	23-150		%REC	1	9/20/2013 01:31 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914			PrepDate:	9/19/2013	Analyst: <b>CEI</b>
Lead	14	5.0		mg/Kg	1	9/23/2013 08:01 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D3-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:47:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-052		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910			PrepDate: 9/19/2013	Analyst: MDM
2-Methylnaphthalene	6.6	5.0	µg/Kg	1	9/20/2013 01:59 PM
Acenaphthene	7.0	5.0	µg/Kg	1	9/20/2013 01:59 PM
Acenaphthylene	28	5.0	µg/Kg	1	9/20/2013 01:59 PM
Anthracene	30	5.0	µg/Kg	1	9/20/2013 01:59 PM
Benzo(a)anthracene	150	5.0	µg/Kg	1	9/20/2013 01:59 PM
Benzo(a)pyrene	540	50	µg/Kg	10	9/23/2013 03:02 AM
Benzo(b)fluoranthene	380	50	µg/Kg	10	9/23/2013 03:02 AM
Benzo(g,h,i)perylene	460	50	µg/Kg	10	9/23/2013 03:02 AM
Benzo(k)fluoranthene	160	50	µg/Kg	10	9/23/2013 03:02 AM
Chrysene	190	5.0	µg/Kg	1	9/20/2013 01:59 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 03:02 AM
Fluoranthene	680	50	µg/Kg	10	9/23/2013 03:02 AM
Fluorene	9.3	5.0	µg/Kg	1	9/20/2013 01:59 PM
Indeno(1,2,3-cd)pyrene	170	50	µg/Kg	10	9/23/2013 03:02 AM
Naphthalene	7.3	5.0	µg/Kg	1	9/20/2013 01:59 PM
Phenanthrene	200	5.0	µg/Kg	1	9/20/2013 01:59 PM
Pyrene	1400	50	µg/Kg	10	9/23/2013 03:02 AM
Surr: 1,2-Dichlorobenzene-d4	36.0	14-120	%REC	1	9/20/2013 01:59 PM
Surr: 2-Fluorobiphenyl	39.0	28-130	%REC	1	9/20/2013 01:59 PM
Surr: 4-Terphenyl-d14	65.1	19-165	%REC	1	9/20/2013 01:59 PM
Surr: Nitrobenzene-d5	41.0	23-150	%REC	1	9/20/2013 01:59 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002			PrepDate:	Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/20/2013 07:39 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D3-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:47:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-052		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130920A	QC Batch:	Q13VS002	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Benzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Bromoform	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Chloroform	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/20/2013 07:39 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
MTBE	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D3-4
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:47:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-052		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130920A	QC Batch: Q13VS002	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Styrene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Toluene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/20/2013 07:39 PM
Surr: 1,2-Dichloroethane-d4	98.5	63-139	%REC	1	9/20/2013 07:39 PM
Surr: 4-Bromofluorobenzene	83.0	75-124	%REC	1	9/20/2013 07:39 PM
Surr: Dibromofluoromethane	95.5	70-133	%REC	1	9/20/2013 07:39 PM
Surr: Toluene-d8	85.5	80-123	%REC	1	9/20/2013 07:39 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 05:25 PM
Surr: Chlorobenzene - d5	91.2	51-136	%REC	1	9/19/2013 05:25 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914	PrepDate: 9/19/2013	Analyst: <b>CEI</b>		
Lead	72	5.0	mg/Kg	1	9/23/2013 08:06 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D3-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:49:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-053		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 02:54 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 02:54 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/20/2013 02:54 PM
Anthracene	ND	5.0	µg/Kg	1	9/20/2013 02:54 PM
Benzo(a)anthracene	15	5.0	µg/Kg	1	9/20/2013 02:54 PM
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 03:57 AM
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 03:57 AM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 03:57 AM
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 03:57 AM
Chrysene	18	5.0	µg/Kg	1	9/20/2013 02:54 PM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 03:57 AM
Fluoranthene	45	5.0	µg/Kg	1	9/20/2013 02:54 PM
Fluorene	ND	5.0	µg/Kg	1	9/20/2013 02:54 PM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 03:57 AM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 02:54 PM
Phenanthrene	14	5.0	µg/Kg	1	9/20/2013 02:54 PM
Pyrene	86	5.0	µg/Kg	1	9/20/2013 02:54 PM
Surr: 1,2-Dichlorobenzene-d4	41.0	14-120	%REC	1	9/20/2013 02:54 PM
Surr: 2-Fluorobiphenyl	49.0	28-130	%REC	1	9/20/2013 02:54 PM
Surr: 4-Terphenyl-d14	128	19-165	%REC	1	9/20/2013 02:54 PM
Surr: Nitrobenzene-d5	45.0	23-150	%REC	1	9/20/2013 02:54 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 12:21 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D3-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:49:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-053		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130921A	QC Batch:	Q13VS003	PrepDate:	Analyst:	QBM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Benzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 12:21 PM	
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
MTBE	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 12:21 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-053

**Client Sample ID:** D3-7.5  
**Collection Date:** 9/12/2013 9:49:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003				PrepDate:	Analyst: <b>QBM</b>
o-Xylene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Styrene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Toluene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Trichloroethene	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Vinyl chloride	ND	5.0		µg/Kg	1	9/21/2013 12:21 PM
Surr: 1,2-Dichloroethane-d4	104	63-139		%REC	1	9/21/2013 12:21 PM
Surr: 4-Bromofluorobenzene	89.2	75-124		%REC	1	9/21/2013 12:21 PM
Surr: Dibromofluoromethane	98.6	70-133		%REC	1	9/21/2013 12:21 PM
Surr: Toluene-d8	91.1	80-123		%REC	1	9/21/2013 12:21 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097				PrepDate:	Analyst: <b>PN</b>
GRO	ND	1.0		mg/Kg	1	9/19/2013 06:22 PM
Surr: Chlorobenzene - d5	94.2	51-136		%REC	1	9/19/2013 06:22 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	29	5.0		mg/Kg	1	9/23/2013 08:16 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D4-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:55:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-054		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	47	5.0		mg/Kg	5	9/21/2013 02:21 AM
ORO	130	5.0		mg/Kg	5	9/21/2013 02:21 AM
Surr: p-Terphenyl	71.4	59-127		%REC	5	9/21/2013 02:21 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.18	0.099		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43923				PrepDate: 9/20/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/21/2013 05:41 PM
Arsenic	16	1.0		mg/Kg	1	9/21/2013 05:41 PM
Barium	100	1.0		mg/Kg	1	9/21/2013 05:41 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 05:41 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 05:41 PM
Chromium	21	1.0		mg/Kg	1	9/21/2013 05:41 PM
Cobalt	8.2	1.0		mg/Kg	1	9/21/2013 05:41 PM
Copper	25	2.0		mg/Kg	1	9/21/2013 05:41 PM
Lead	12	1.0		mg/Kg	1	9/21/2013 05:41 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 05:41 PM
Nickel	15	1.0		mg/Kg	1	9/21/2013 05:41 PM
Selenium	2.4	1.0		mg/Kg	1	9/21/2013 05:41 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 05:41 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 05:41 PM
Vanadium	34	1.0		mg/Kg	1	9/21/2013 05:41 PM
Zinc	80	1.0	B	mg/Kg	1	9/21/2013 05:41 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-055

**Client Sample ID:** D4-4  
**Collection Date:** 9/12/2013 9:57:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	34	5.0		mg/Kg	5	9/21/2013 02:46 AM
ORO	130	5.0		mg/Kg	5	9/21/2013 02:46 AM
Surr: p-Terphenyl	78.7	59-127		%REC	5	9/21/2013 02:46 AM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	5.1	5.0		mg/Kg	1	9/23/2013 08:25 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D4-7.5
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-056		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: MDM
DRO	17	5.0		mg/Kg	5	9/21/2013 03:12 AM
ORO	47	5.0		mg/Kg	5	9/21/2013 03:12 AM
Surr: p-Terphenyl	83.2	59-127		%REC	5	9/21/2013 03:12 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900				PrepDate: 9/18/2013	Analyst: MDM
4,4'-DDD	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
4,4'-DDE	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
4,4'-DDT	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
Aldrin	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
alpha-BHC	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
alpha-Chlordane	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
beta-BHC	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
Chlordane	ND	8.5		µg/Kg	1	9/20/2013 03:02 AM
delta-BHC	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
Dieldrin	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
Endosulfan I	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
Endosulfan II	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
Endrin	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
Endrin ketone	ND	2.0		µg/Kg	1	9/20/2013 03:02 AM
gamma-BHC	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
Heptachlor	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/20/2013 03:02 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/20/2013 03:02 AM
Toxaphene	ND	85		µg/Kg	1	9/20/2013 03:02 AM
Surr: Tetrachloro-m-xylene	37.5	28-161		%REC	1	9/20/2013 03:02 AM
Surr: Decachlorobiphenyl	51.4	28-120		%REC	1	9/20/2013 03:02 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130918A	QC Batch: 43900				PrepDate: 9/18/2013	Analyst: MDM
Aroclor 1016	ND	16		µg/Kg	1	9/18/2013 11:05 PM
Aroclor 1221	ND	33		µg/Kg	1	9/18/2013 11:05 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-056

**Client Sample ID:** D4-7.5  
**Collection Date:** 9/12/2013 9:59:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>PCBS BY GC/ECD</b>						
	<b>EPA 3550B</b>		<b>EPA 8082</b>			
RunID: GC7_130918A	QC Batch: 43900			PrepDate: 9/18/2013		Analyst: <b>MDM</b>
Aroclor 1232	ND	16		µg/Kg	1	9/18/2013 11:05 PM
Aroclor 1242	ND	16		µg/Kg	1	9/18/2013 11:05 PM
Aroclor 1248	ND	16		µg/Kg	1	9/18/2013 11:05 PM
Aroclor 1254	ND	16		µg/Kg	1	9/18/2013 11:05 PM
Aroclor 1260	ND	16		µg/Kg	1	9/18/2013 11:05 PM
Surr: Decachlorobiphenyl	75.8	40-146		%REC	1	9/18/2013 11:05 PM
Surr: Tetrachloro-m-xylene	49.0	32-109		%REC	1	9/18/2013 11:05 PM
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43914			PrepDate: 9/19/2013		Analyst: <b>CEI</b>
Lead	22	5.0		mg/Kg	1	9/23/2013 08:29 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:10:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-057		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130920A	QC Batch: 43910	PrepDate:	9/19/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Anthracene	ND	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Benzo(a)anthracene	11	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 04:25 AM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 04:25 AM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 04:25 AM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 04:25 AM	
Chrysene	12	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 04:25 AM	
Fluoranthene	19	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Fluorene	ND	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 04:25 AM	
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Phenanthrene	8.0	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Pyrene	19	5.0	µg/Kg	1	9/20/2013 03:22 PM	
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120	%REC	1	9/20/2013 03:22 PM	
Surr: 2-Fluorobiphenyl	55.1	28-130	%REC	1	9/20/2013 03:22 PM	
Surr: 4-Terphenyl-d14	121	19-165	%REC	1	9/20/2013 03:22 PM	
Surr: Nitrobenzene-d5	54.1	23-150	%REC	1	9/20/2013 03:22 PM	

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919B	QC Batch: 43900	PrepDate:	9/18/2013	Analyst:	MDM	
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 03:28 AM	
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 03:28 AM	
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 03:28 AM	
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 03:28 AM	
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 03:28 AM	
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 03:28 AM	
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 03:28 AM	
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 03:28 AM	
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 03:28 AM	
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 03:28 AM	
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 03:28 AM	
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 03:28 AM	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:10:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-057		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B		EPA 8081A				
RunID: GC7_130919B	QC Batch: 43900	PrepDate:	9/18/2013	Analyst:	MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1		9/20/2013 03:28 AM
Endrin	ND	2.0	µg/Kg	1		9/20/2013 03:28 AM
Endrin aldehyde	ND	2.0	µg/Kg	1		9/20/2013 03:28 AM
Endrin ketone	ND	2.0	µg/Kg	1		9/20/2013 03:28 AM
gamma-BHC	ND	1.0	µg/Kg	1		9/20/2013 03:28 AM
gamma-Chlordane	ND	1.0	µg/Kg	1		9/20/2013 03:28 AM
Heptachlor	ND	1.0	µg/Kg	1		9/20/2013 03:28 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1		9/20/2013 03:28 AM
Methoxychlor	ND	8.5	µg/Kg	1		9/20/2013 03:28 AM
Toxaphene	ND	85	µg/Kg	1		9/20/2013 03:28 AM
Surr: Tetrachloro-m-xylene	51.4	28-161	%REC	1		9/20/2013 03:28 AM
Surr: Decachlorobiphenyl	57.4	28-120	%REC	1		9/20/2013 03:28 AM

**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130918A	QC Batch: 43900	PrepDate:	9/18/2013	Analyst:	MDM	
Aroclor 1016	ND	17	µg/Kg	1		9/18/2013 11:34 PM
Aroclor 1221	ND	33	µg/Kg	1		9/18/2013 11:34 PM
Aroclor 1232	ND	17	µg/Kg	1		9/18/2013 11:34 PM
Aroclor 1242	ND	17	µg/Kg	1		9/18/2013 11:34 PM
Aroclor 1248	ND	17	µg/Kg	1		9/18/2013 11:34 PM
Aroclor 1254	ND	17	µg/Kg	1		9/18/2013 11:34 PM
Aroclor 1260	ND	17	µg/Kg	1		9/18/2013 11:34 PM
Surr: Decachlorobiphenyl	76.7	40-146	%REC	1		9/18/2013 11:34 PM
Surr: Tetrachloro-m-xylene	61.6	32-109	%REC	1		9/18/2013 11:34 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914	PrepDate:	9/19/2013	Analyst:	CEI	
Lead	29	5.0	mg/Kg	1		9/23/2013 08:34 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:12:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-058		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:50 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 03:50 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/20/2013 03:50 PM
Anthracene	ND	5.0	µg/Kg	1	9/20/2013 03:50 PM
Benzo(a)anthracene	12	5.0	µg/Kg	1	9/20/2013 03:50 PM
Benzo(a)pyrene	ND	100	µg/Kg	20	9/23/2013 06:08 PM
Benzo(b)fluoranthene	ND	100	µg/Kg	20	9/23/2013 06:08 PM
Benzo(g,h,i)perylene	ND	100	µg/Kg	20	9/23/2013 06:08 PM
Benzo(k)fluoranthene	ND	100	µg/Kg	20	9/23/2013 06:08 PM
Chrysene	11	5.0	µg/Kg	1	9/20/2013 03:50 PM
Dibenz(a,h)anthracene	ND	100	µg/Kg	20	9/23/2013 06:08 PM
Fluoranthene	17	5.0	µg/Kg	1	9/20/2013 03:50 PM
Fluorene	ND	5.0	µg/Kg	1	9/20/2013 03:50 PM
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20	9/23/2013 06:08 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 03:50 PM
Phenanthrene	7.4	5.0	µg/Kg	1	9/20/2013 03:50 PM
Pyrene	18	5.0	µg/Kg	1	9/20/2013 03:50 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120	%REC	1	9/20/2013 03:50 PM
Surr: 2-Fluorobiphenyl	53.1	28-130	%REC	1	9/20/2013 03:50 PM
Surr: 4-Terphenyl-d14	116	19-165	%REC	1	9/20/2013 03:50 PM
Surr: Nitrobenzene-d5	48.0	23-150	%REC	1	9/20/2013 03:50 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 12:42 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:12:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-058		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 12:42 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:12:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-058		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 12:42 PM
Surr: 1,2-Dichloroethane-d4	95.4	63-139	%REC	1	9/21/2013 12:42 PM
Surr: 4-Bromofluorobenzene	75.7	75-124	%REC	1	9/21/2013 12:42 PM
Surr: Dibromofluoromethane	90.9	70-133	%REC	1	9/21/2013 12:42 PM
Surr: Toluene-d8	81.8	80-123	%REC	1	9/21/2013 12:42 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 02:32 PM
Surr: Chlorobenzene - d5	94.6	51-136	%REC	1	9/19/2013 02:32 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914	PrepDate:	9/19/2013	Analyst: <b>CEI</b>	
Lead	58	5.0	mg/Kg	1	9/23/2013 08:38 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:14:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-059		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/20/2013 04:18 PM
Acenaphthene	ND	5.0	µg/Kg	1	9/20/2013 04:18 PM
Acenaphthylene	ND	5.0	µg/Kg	1	9/20/2013 04:18 PM
Anthracene	ND	5.0	µg/Kg	1	9/20/2013 04:18 PM
Benzo(a)anthracene	28	5.0	µg/Kg	1	9/20/2013 04:18 PM
Benzo(a)pyrene	ND	100	µg/Kg	20	9/23/2013 06:36 PM
Benzo(b)fluoranthene	ND	100	µg/Kg	20	9/23/2013 06:36 PM
Benzo(g,h,i)perylene	ND	100	µg/Kg	20	9/23/2013 06:36 PM
Benzo(k)fluoranthene	ND	100	µg/Kg	20	9/23/2013 06:36 PM
Chrysene	29	5.0	µg/Kg	1	9/20/2013 04:18 PM
Dibenz(a,h)anthracene	ND	100	µg/Kg	20	9/23/2013 06:36 PM
Fluoranthene	35	5.0	µg/Kg	1	9/20/2013 04:18 PM
Fluorene	ND	5.0	µg/Kg	1	9/20/2013 04:18 PM
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20	9/23/2013 06:36 PM
Naphthalene	ND	5.0	µg/Kg	1	9/20/2013 04:18 PM
Phenanthrene	11	5.0	µg/Kg	1	9/20/2013 04:18 PM
Pyrene	35	5.0	µg/Kg	1	9/20/2013 04:18 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120	%REC	1	9/20/2013 04:18 PM
Surr: 2-Fluorobiphenyl	49.0	28-130	%REC	1	9/20/2013 04:18 PM
Surr: 4-Terphenyl-d14	108	19-165	%REC	1	9/20/2013 04:18 PM
Surr: Nitrobenzene-d5	48.0	23-150	%REC	1	9/20/2013 04:18 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 01:03 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:14:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-059		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: QBM
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1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 01:03 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E1-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:14:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-059		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 01:03 PM
Surr: 1,2-Dichloroethane-d4	103	63-139	%REC	1	9/21/2013 01:03 PM
Surr: 4-Bromofluorobenzene	82.8	75-124	%REC	1	9/21/2013 01:03 PM
Surr: Dibromofluoromethane	98.1	70-133	%REC	1	9/21/2013 01:03 PM
Surr: Toluene-d8	87.9	80-123	%REC	1	9/21/2013 01:03 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 03:01 PM
Surr: Chlorobenzene - d5	103	51-136	%REC	1	9/19/2013 03:01 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43914	PrepDate:	9/19/2013	Analyst: <b>CEI</b>	
Lead	25	5.0	mg/Kg	1	9/23/2013 08:43 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-060

**Client Sample ID:** E2-0  
**Collection Date:** 9/12/2013 10:20:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	76	5.0		mg/Kg	5	9/21/2013 03:37 AM
ORO	220	5.0		mg/Kg	5	9/21/2013 03:37 AM
Surr: p-Terphenyl	72.1	59-127		%REC	5	9/21/2013 03:37 AM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43914				PrepDate: 9/19/2013	Analyst: <b>CEI</b>
Lead	13	5.0		mg/Kg	1	9/23/2013 09:05 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E2-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-061		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	53	5.0	mg/Kg	5	9/21/2013 04:03 AM
ORO	160	5.0	mg/Kg	5	9/21/2013 04:03 AM
Surr: p-Terphenyl	83.0	59-127	%REC	5	9/21/2013 04:03 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
alpha-Chlordane	9.3	1.0	µg/Kg	1	9/20/2013 04:20 AM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
Chlordane	29	8.5	µg/Kg	1	9/20/2013 04:20 AM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
Endrin	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 04:20 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
gamma-Chlordane	7.1	1.0	µg/Kg	1	9/20/2013 04:20 AM
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/20/2013 04:20 AM
Methoxychlor	ND	8.5	µg/Kg	1	9/20/2013 04:20 AM
Toxaphene	ND	85	µg/Kg	1	9/20/2013 04:20 AM
Surr: Tetrachloro-m-xylene	52.7	28-161	%REC	1	9/20/2013 04:20 AM
Surr: Decachlorobiphenyl	54.3	28-120	%REC	1	9/20/2013 04:20 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130918A	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
Aroclor 1016	ND	17	µg/Kg	1	9/19/2013 12:33 AM
Aroclor 1221	ND	33	µg/Kg	1	9/19/2013 12:33 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E2-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-061		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>PCBS BY GC/ECD</b>						
	<b>EPA 3550B</b>		<b>EPA 8082</b>			
RunID: GC7_130918A	QC Batch: 43900			PrepDate:	9/18/2013	Analyst: <b>MDM</b>
Aroclor 1232	ND	17		µg/Kg	1	9/19/2013 12:33 AM
Aroclor 1242	ND	17		µg/Kg	1	9/19/2013 12:33 AM
Aroclor 1248	ND	17		µg/Kg	1	9/19/2013 12:33 AM
Aroclor 1254	ND	17		µg/Kg	1	9/19/2013 12:33 AM
Aroclor 1260	ND	17		µg/Kg	1	9/19/2013 12:33 AM
Surr: Decachlorobiphenyl	60.2	40-146		%REC	1	9/19/2013 12:33 AM
Surr: Tetrachloro-m-xylene	55.2	32-109		%REC	1	9/19/2013 12:33 AM
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43914			PrepDate:	9/19/2013	Analyst: <b>CEI</b>
Lead	22	5.0		mg/Kg	1	9/23/2013 09:10 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E2-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-062		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	17	5.0		mg/Kg	5	9/21/2013 04:28 AM
ORO	44	5.0		mg/Kg	5	9/21/2013 04:28 AM
Surr: p-Terphenyl	85.5	59-127		%REC	5	9/21/2013 04:28 AM
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
<b>EPA 7471</b>			<b>EPA 7471A</b>			
RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.16	0.10		mg/Kg	1	9/18/2013
<b>ICP METALS</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130921A	QC Batch: 43923				PrepDate: 9/20/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/21/2013 05:55 PM
Arsenic	4.5	1.0		mg/Kg	1	9/21/2013 05:55 PM
Barium	95	1.0		mg/Kg	1	9/21/2013 05:55 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 05:55 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 05:55 PM
Chromium	41	1.0		mg/Kg	1	9/21/2013 05:55 PM
Cobalt	10	1.0		mg/Kg	1	9/21/2013 05:55 PM
Copper	28	2.0		mg/Kg	1	9/21/2013 05:55 PM
Lead	21	1.0		mg/Kg	1	9/21/2013 05:55 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 05:55 PM
Nickel	66	1.0		mg/Kg	1	9/21/2013 05:55 PM
Selenium	1.1	1.0		mg/Kg	1	9/21/2013 05:55 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 05:55 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 05:55 PM
Vanadium	33	1.0		mg/Kg	1	9/21/2013 05:55 PM
Zinc	52	1.0	B	mg/Kg	1	9/21/2013 05:55 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:35:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-063		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130920A	QC Batch: 43910			PrepDate:	9/19/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/20/2013 04:46 PM
Acenaphthene	ND	5.0		µg/Kg	1	9/20/2013 04:46 PM
Acenaphthylene	ND	5.0		µg/Kg	1	9/20/2013 04:46 PM
Anthracene	ND	5.0		µg/Kg	1	9/20/2013 04:46 PM
Benzo(a)anthracene	ND	50		µg/Kg	10	9/23/2013 05:48 AM
Benzo(a)pyrene	ND	100		µg/Kg	20	9/23/2013 07:03 PM
Benzo(b)fluoranthene	ND	100		µg/Kg	20	9/23/2013 07:03 PM
Benzo(g,h,i)perylene	ND	100		µg/Kg	20	9/23/2013 07:03 PM
Benzo(k)fluoranthene	ND	100		µg/Kg	20	9/23/2013 07:03 PM
Chrysene	ND	50		µg/Kg	10	9/23/2013 05:48 AM
Dibenz(a,h)anthracene	ND	100		µg/Kg	20	9/23/2013 07:03 PM
Fluoranthene	19	5.0		µg/Kg	1	9/20/2013 04:46 PM
Fluorene	ND	5.0		µg/Kg	1	9/20/2013 04:46 PM
Indeno(1,2,3-cd)pyrene	ND	100		µg/Kg	20	9/23/2013 07:03 PM
Naphthalene	ND	5.0		µg/Kg	1	9/20/2013 04:46 PM
Phenanthrene	14	5.0		µg/Kg	1	9/20/2013 04:46 PM
Pyrene	23	5.0		µg/Kg	1	9/20/2013 04:46 PM
Surr: 1,2-Dichlorobenzene-d4	47.0	14-120		%REC	1	9/20/2013 04:46 PM
Surr: 2-Fluorobiphenyl	55.1	28-130		%REC	1	9/20/2013 04:46 PM
Surr: 4-Terphenyl-d14	90.1	19-165		%REC	10	9/23/2013 05:48 AM
Surr: Nitrobenzene-d5	49.0	23-150		%REC	1	9/20/2013 04:46 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43914			PrepDate:	9/19/2013	Analyst: <b>CEI</b>
Lead	33	5.0		mg/Kg	1	9/23/2013 09:14 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-064		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920A	QC Batch: 43910			PrepDate: 9/19/2013	Analyst: MDM
2-Methylnaphthalene	ND	5.0		µg/Kg	1 9/20/2013 05:41 PM
Acenaphthene	28	5.0		µg/Kg	1 9/20/2013 05:41 PM
Acenaphthylene	36	5.0		µg/Kg	1 9/20/2013 05:41 PM
Anthracene	120	5.0		µg/Kg	1 9/20/2013 05:41 PM
Benzo(a)anthracene	320	50		µg/Kg	10 9/23/2013 06:16 AM
Benzo(a)pyrene	330	100		µg/Kg	20 9/23/2013 07:31 PM
Benzo(b)fluoranthene	380	100		µg/Kg	20 9/23/2013 07:31 PM
Benzo(g,h,i)perylene	130	100		µg/Kg	20 9/23/2013 07:31 PM
Benzo(k)fluoranthene	180	100		µg/Kg	20 9/23/2013 07:31 PM
Chrysene	330	50		µg/Kg	10 9/23/2013 06:16 AM
Dibenz(a,h)anthracene	ND	100		µg/Kg	20 9/23/2013 07:31 PM
Fluoranthene	680	50		µg/Kg	10 9/23/2013 06:16 AM
Fluorene	32	5.0		µg/Kg	1 9/20/2013 05:41 PM
Indeno(1,2,3-cd)pyrene	120	100		µg/Kg	20 9/23/2013 07:31 PM
Naphthalene	5.3	5.0		µg/Kg	1 9/20/2013 05:41 PM
Phenanthrene	460	50		µg/Kg	10 9/23/2013 06:16 AM
Pyrene	710	50		µg/Kg	10 9/23/2013 06:16 AM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120		%REC	1 9/20/2013 05:41 PM
Surr: 2-Fluorobiphenyl	54.1	28-130		%REC	1 9/20/2013 05:41 PM
Surr: 4-Terphenyl-d14	100	19-165		%REC	10 9/23/2013 06:16 AM
Surr: Nitrobenzene-d5	50.1	23-150		%REC	1 9/20/2013 05:41 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003			PrepDate:	Analyst: QBM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1 9/21/2013 01:24 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1 9/21/2013 01:24 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-064		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 01:24 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-064		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 01:24 PM
Surr: 1,2-Dichloroethane-d4	101	63-139	%REC	1	9/21/2013 01:24 PM
Surr: 4-Bromofluorobenzene	83.8	75-124	%REC	1	9/21/2013 01:24 PM
Surr: Dibromofluoromethane	97.3	70-133	%REC	1	9/21/2013 01:24 PM
Surr: Toluene-d8	87.7	80-123	%REC	1	9/21/2013 01:24 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 03:30 PM
Surr: Chlorobenzene - d5	94.9	51-136	%REC	1	9/19/2013 03:30 PM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43922	PrepDate:	9/20/2013	Analyst: <b>CEI</b>	
Lead	58	5.0	mg/Kg	1	9/23/2013 09:33 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:39:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-065		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920B	QC Batch: 43920	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/21/2013 01:03 AM
Acenaphthene	ND	5.0	µg/Kg	1	9/21/2013 01:03 AM
Acenaphthylene	ND	5.0	µg/Kg	1	9/21/2013 01:03 AM
Anthracene	ND	5.0	µg/Kg	1	9/21/2013 01:03 AM
Benzo(a)anthracene	16	5.0	µg/Kg	1	9/21/2013 01:03 AM
Benzo(a)pyrene	ND	100	µg/Kg	20	9/25/2013 11:11 AM
Benzo(b)fluoranthene	ND	100	µg/Kg	20	9/25/2013 11:11 AM
Benzo(g,h,i)perylene	ND	100	µg/Kg	20	9/25/2013 11:11 AM
Benzo(k)fluoranthene	ND	100	µg/Kg	20	9/25/2013 11:11 AM
Chrysene	27	5.0	µg/Kg	1	9/21/2013 01:03 AM
Dibenz(a,h)anthracene	ND	100	µg/Kg	20	9/25/2013 11:11 AM
Fluoranthene	33	5.0	µg/Kg	1	9/21/2013 01:03 AM
Fluorene	ND	5.0	µg/Kg	1	9/21/2013 01:03 AM
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20	9/25/2013 11:11 AM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 01:03 AM
Phenanthrene	23	5.0	µg/Kg	1	9/21/2013 01:03 AM
Pyrene	32	5.0	µg/Kg	1	9/21/2013 01:03 AM
Surr: 1,2-Dichlorobenzene-d4	40.0	14-120	%REC	1	9/21/2013 01:03 AM
Surr: 2-Fluorobiphenyl	41.0	28-130	%REC	1	9/21/2013 01:03 AM
Surr: 4-Terphenyl-d14	78.1	19-165	%REC	1	9/21/2013 01:03 AM
Surr: Nitrobenzene-d5	42.0	23-150	%REC	1	9/21/2013 01:03 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 01:46 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:39:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-065		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 01:46 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:39:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-065		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 01:46 PM
Surr: 1,2-Dichloroethane-d4	100	63-139	%REC	1	9/21/2013 01:46 PM
Surr: 4-Bromofluorobenzene	85.2	75-124	%REC	1	9/21/2013 01:46 PM
Surr: Dibromofluoromethane	96.2	70-133	%REC	1	9/21/2013 01:46 PM
Surr: Toluene-d8	88.0	80-123	%REC	1	9/21/2013 01:46 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/19/2013 03:58 PM
Surr: Chlorobenzene - d5	95.9	51-136	%REC	1	9/19/2013 03:58 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	1.1	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43923	PrepDate: 9/20/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/21/2013 06:02 PM
Arsenic	5.4	1.0	mg/Kg	1	9/21/2013 06:02 PM
Barium	120	1.0	mg/Kg	1	9/21/2013 06:02 PM
Beryllium	ND	1.0	mg/Kg	1	9/21/2013 06:02 PM
Cadmium	ND	1.0	mg/Kg	1	9/21/2013 06:02 PM
Chromium	30	1.0	mg/Kg	1	9/21/2013 06:02 PM
Cobalt	9.1	1.0	mg/Kg	1	9/21/2013 06:02 PM
Copper	42	2.0	mg/Kg	1	9/21/2013 06:02 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E3-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:39:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-065		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130921A	QC Batch: 43923			PrepDate:	9/20/2013	Analyst: JT
Lead	85	1.0		mg/Kg	1	9/21/2013 06:02 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 06:02 PM
Nickel	31	1.0		mg/Kg	1	9/21/2013 06:02 PM
Selenium	1.2	1.0		mg/Kg	1	9/21/2013 06:02 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 06:02 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 06:02 PM
Vanadium	33	1.0		mg/Kg	1	9/21/2013 06:02 PM
Zinc	73	1.0	B	mg/Kg	1	9/21/2013 06:02 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C1-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:10:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-066		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM</b>						
<b>EPA 3550B</b>			<b>EPA 8270CSIM</b>			
RunID: MS3_130920B	QC Batch: 43920			PrepDate: 9/20/2013		Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/21/2013 01:31 AM
Acenaphthene	ND	5.0		µg/Kg	1	9/21/2013 01:31 AM
Acenaphthylene	ND	5.0		µg/Kg	1	9/21/2013 01:31 AM
Anthracene	ND	5.0		µg/Kg	1	9/21/2013 01:31 AM
Benzo(a)anthracene	9.3	5.0		µg/Kg	1	9/21/2013 01:31 AM
Benzo(a)pyrene	ND	50		µg/Kg	10	9/23/2013 07:39 AM
Benzo(b)fluoranthene	ND	50		µg/Kg	10	9/23/2013 07:39 AM
Benzo(g,h,i)perylene	ND	50		µg/Kg	10	9/23/2013 07:39 AM
Benzo(k)fluoranthene	ND	50		µg/Kg	10	9/23/2013 07:39 AM
Chrysene	22	5.0		µg/Kg	1	9/21/2013 01:31 AM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/23/2013 07:39 AM
Fluoranthene	13	5.0		µg/Kg	1	9/21/2013 01:31 AM
Fluorene	ND	5.0		µg/Kg	1	9/21/2013 01:31 AM
Indeno(1,2,3-cd)pyrene	ND	50		µg/Kg	10	9/23/2013 07:39 AM
Naphthalene	ND	5.0		µg/Kg	1	9/21/2013 01:31 AM
Phenanthrene	11	5.0		µg/Kg	1	9/21/2013 01:31 AM
Pyrene	17	5.0		µg/Kg	1	9/21/2013 01:31 AM
Surr: 1,2-Dichlorobenzene-d4	42.0	14-120		%REC	1	9/21/2013 01:31 AM
Surr: 2-Fluorobiphenyl	49.0	28-130		%REC	1	9/21/2013 01:31 AM
Surr: 4-Terphenyl-d14	122	19-165		%REC	1	9/21/2013 01:31 AM
Surr: Nitrobenzene-d5	45.0	23-150		%REC	1	9/21/2013 01:31 AM

**LEAD BY ICP**

<b>EPA 3050B</b>		<b>EPA 6010B</b>	
RunID: ICP2_130923A	QC Batch: 43922	PrepDate: 9/20/2013	Analyst: <b>CEI</b>
Lead	14	5.0	mg/Kg
			1
			9/23/2013 10:08 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C1-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:12:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-067		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130920B	QC Batch: 43920	PrepDate: 9/20/2013	Analyst: MDM		
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Acenaphthene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Acenaphthylene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Anthracene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Benzo(a)anthracene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Chrysene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Fluoranthene	6.7	5.0	µg/Kg	1	9/21/2013 02:26 AM
Fluorene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 08:34 AM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Phenanthrene	ND	5.0	µg/Kg	1	9/21/2013 02:26 AM
Pyrene	9.3	5.0	µg/Kg	1	9/21/2013 02:26 AM
Surr: 1,2-Dichlorobenzene-d4	45.0	14-120	%REC	1	9/21/2013 02:26 AM
Surr: 2-Fluorobiphenyl	43.0	28-130	%REC	1	9/21/2013 02:26 AM
Surr: 4-Terphenyl-d14	60.1	19-165	%REC	10	9/23/2013 08:34 AM
Surr: Nitrobenzene-d5	44.0	23-150	%REC	1	9/21/2013 02:26 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: MDM		
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 04:46 AM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C1-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:12:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-067		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B			EPA 8081A			
RunID: GC7_130919B	QC Batch: 43900		PrepDate:	9/18/2013	Analyst: MDM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM	
Endrin	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 04:46 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/20/2013 04:46 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/20/2013 04:46 AM	
Toxaphene	ND	85	µg/Kg	1	9/20/2013 04:46 AM	
Surr: Tetrachloro-m-xylene	40.4	28-161	%REC	1	9/20/2013 04:46 AM	
Surr: Decachlorobiphenyl	49.3	28-120	%REC	1	9/20/2013 04:46 AM	

**PCBS BY GC/ECD**

EPA 3550B			EPA 8082			
RunID: GC7_130918A	QC Batch: 43900		PrepDate:	9/18/2013	Analyst: MDM	
Aroclor 1016	ND	16	µg/Kg	1	9/19/2013 02:56 AM	
Aroclor 1221	ND	33	µg/Kg	1	9/19/2013 02:56 AM	
Aroclor 1232	ND	16	µg/Kg	1	9/19/2013 02:56 AM	
Aroclor 1242	ND	16	µg/Kg	1	9/19/2013 02:56 AM	
Aroclor 1248	ND	16	µg/Kg	1	9/19/2013 02:56 AM	
Aroclor 1254	ND	16	µg/Kg	1	9/19/2013 02:56 AM	
Aroclor 1260	ND	16	µg/Kg	1	9/19/2013 02:56 AM	
Surr: Decachlorobiphenyl	64.4	40-146	%REC	1	9/19/2013 02:56 AM	
Surr: Tetrachloro-m-xylene	46.2	32-109	%REC	1	9/19/2013 02:56 AM	

**LEAD BY ICP**

EPA 3050B			EPA 6010B			
RunID: ICP2_130923A	QC Batch: 43922		PrepDate:	9/20/2013	Analyst: CEI	
Lead	29	5.0	mg/Kg	1	9/23/2013 10:16 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C1-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:14:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-068		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130920B	QC Batch: 43920	PrepDate:	9/20/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Acenaphthene	7.0	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Acenaphthylene	ND	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Anthracene	17	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Benzo(a)anthracene	100	50	µg/Kg	10	9/23/2013 09:02 AM	
Benzo(a)pyrene	160	50	µg/Kg	10	9/23/2013 09:02 AM	
Benzo(b)fluoranthene	180	50	µg/Kg	10	9/23/2013 09:02 AM	
Benzo(g,h,i)perylene	50	50	µg/Kg	10	9/23/2013 09:02 AM	
Benzo(k)fluoranthene	87	50	µg/Kg	10	9/23/2013 09:02 AM	
Chrysene	97	50	µg/Kg	10	9/23/2013 09:02 AM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 09:02 AM	
Fluoranthene	67	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Fluorene	5.7	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 09:02 AM	
Naphthalene	5.7	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Phenanthrene	44	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Pyrene	70	5.0	µg/Kg	1	9/21/2013 02:54 AM	
Surr: 1,2-Dichlorobenzene-d4	49.0	14-120	%REC	1	9/21/2013 02:54 AM	
Surr: 2-Fluorobiphenyl	53.1	28-130	%REC	1	9/21/2013 02:54 AM	
Surr: 4-Terphenyl-d14	80.1	19-165	%REC	10	9/23/2013 09:02 AM	
Surr: Nitrobenzene-d5	54.1	23-150	%REC	1	9/21/2013 02:54 AM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130923A	QC Batch: 43922	PrepDate:	9/20/2013	Analyst:	CEI
Lead	24	5.0	mg/Kg	1	9/23/2013 10:21 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C2-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:20:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-069		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130920B	QC Batch: 43915				PrepDate: 9/19/2013	Analyst: <b>MDM</b>
DRO	68	5.0		mg/Kg	5	9/21/2013 04:54 AM
ORO	170	5.0		mg/Kg	5	9/21/2013 04:54 AM
Surr: p-Terphenyl	83.5	59-127		%REC	5	9/21/2013 04:54 AM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43922				PrepDate: 9/20/2013	Analyst: <b>CEI</b>
Lead	11	5.0		mg/Kg	1	9/23/2013 10:25 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C2-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-070		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>
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1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 02:07 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C2-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:22:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-070		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 02:07 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 02:07 PM
Surr: 1,2-Dichloroethane-d4	99.7	63-139	%REC	1	9/21/2013 02:07 PM
Surr: 4-Bromofluorobenzene	84.8	75-124	%REC	1	9/21/2013 02:07 PM
Surr: Dibromofluoromethane	96.8	70-133	%REC	1	9/21/2013 02:07 PM
Surr: Toluene-d8	89.5	80-123	%REC	1	9/21/2013 02:07 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130920B	QC Batch: 43915	PrepDate: 9/19/2013	Analyst: <b>MDM</b>		
DRO	53	5.0	mg/Kg	5	9/21/2013 05:20 AM
ORO	150	5.0	mg/Kg	5	9/21/2013 05:20 AM
Surr: p-Terphenyl	82.9	59-127	%REC	5	9/21/2013 05:20 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>
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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-070

**Client Sample ID:** C2-3  
**Collection Date:** 9/12/2013 11:22:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/20/2013 01:39 PM
Surr: Chlorobenzene - d5	91.9	51-136	%REC	1	9/20/2013 01:39 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	0.24	0.099	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43923	PrepDate: 9/20/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/21/2013 06:10 PM
Arsenic	13	1.0	mg/Kg	1	9/21/2013 06:10 PM
Barium	140	1.0	mg/Kg	1	9/21/2013 06:10 PM
Beryllium	ND	1.0	mg/Kg	1	9/21/2013 06:10 PM
Cadmium	ND	1.0	mg/Kg	1	9/21/2013 06:10 PM
Chromium	37	1.0	mg/Kg	1	9/21/2013 06:10 PM
Cobalt	10	1.0	mg/Kg	1	9/21/2013 06:10 PM
Copper	25	2.0	mg/Kg	1	9/21/2013 06:10 PM
Lead	12	1.0	mg/Kg	1	9/21/2013 06:10 PM
Molybdenum	ND	1.0	mg/Kg	1	9/21/2013 06:10 PM
Nickel	40	1.0	mg/Kg	1	9/21/2013 06:10 PM
Selenium	2.0	1.0	mg/Kg	1	9/21/2013 06:10 PM
Silver	ND	1.0	mg/Kg	1	9/21/2013 06:10 PM
Thallium	ND	1.0	mg/Kg	1	9/21/2013 06:10 PM
Vanadium	31	1.0	mg/Kg	1	9/21/2013 06:10 PM
Zinc	88	1.0	mg/Kg	1	9/21/2013 06:10 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C2-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-071		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>HEXAVALENT CHROMIUM</b>						
<b>EPA 3060A</b>			<b>EPA 7196A</b>			
RunID: WETCHEM_130920D	QC Batch: 43908			PrepDate: 9/19/2013		Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0		mg/Kg	1	9/20/2013
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>						
			<b>EPA 8260B</b>			
RunID: MS6_130921A	QC Batch: Q13VS003			PrepDate:		Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/21/2013 02:28 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Benzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Bromobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Bromoform	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Bromomethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Chlorobenzene	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM
Chloroethane	ND	5.0		µg/Kg	1	9/21/2013 02:28 PM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C2-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-071		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 02:28 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 02:28 PM
Surr: 1,2-Dichloroethane-d4	95.1	63-139	%REC	1	9/21/2013 02:28 PM
Surr: 4-Bromofluorobenzene	81.2	75-124	%REC	1	9/21/2013 02:28 PM
Surr: Dibromofluoromethane	93.3	70-133	%REC	1	9/21/2013 02:28 PM
Surr: Toluene-d8	85.3	80-123	%REC	1	9/21/2013 02:28 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	30	5.0	mg/Kg	5	9/21/2013 10:58 AM
ORO	94	5.0	mg/Kg	5	9/21/2013 10:58 AM
Surr: p-Terphenyl	90.5	59-127	%REC	5	9/21/2013 10:58 AM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C2-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-071		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

EPA 3550B				EPA 8081A		
RunID:	GC7_130919B	QC Batch:	43900	PrepDate:	9/18/2013	Analyst: <b>MDM</b>
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 05:12 AM	
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
Endrin	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 05:12 AM	
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/20/2013 05:12 AM	
Methoxychlor	ND	8.5	µg/Kg	1	9/20/2013 05:12 AM	
Toxaphene	ND	85	µg/Kg	1	9/20/2013 05:12 AM	
Surr: Tetrachloro-m-xylene	55.2	28-161	%REC	1	9/20/2013 05:12 AM	
Surr: Decachlorobiphenyl	59.6	28-120	%REC	1	9/20/2013 05:12 AM	

**PCBS BY GC/ECD**

EPA 3550B				EPA 8082		
RunID:	GC7_130918A	QC Batch:	43900	PrepDate:	9/18/2013	Analyst: <b>MDM</b>
Aroclor 1016	ND	17	µg/Kg	1	9/19/2013 03:26 AM	
Aroclor 1221	ND	33	µg/Kg	1	9/19/2013 03:26 AM	
Aroclor 1232	ND	17	µg/Kg	1	9/19/2013 03:26 AM	
Aroclor 1242	ND	17	µg/Kg	1	9/19/2013 03:26 AM	
Aroclor 1248	ND	17	µg/Kg	1	9/19/2013 03:26 AM	
Aroclor 1254	ND	17	µg/Kg	1	9/19/2013 03:26 AM	
Aroclor 1260	ND	17	µg/Kg	1	9/19/2013 03:26 AM	
Surr: Decachlorobiphenyl	75.1	40-146	%REC	1	9/19/2013 03:26 AM	
Surr: Tetrachloro-m-xylene	59.5	32-109	%REC	1	9/19/2013 03:26 AM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-071

**Client Sample ID:** C2-6  
**Collection Date:** 9/12/2013 11:24:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098				PrepDate:	Analyst: <b>PN</b>
GRO	ND	1.0		mg/Kg	1	9/20/2013 11:44 AM
Surr: Chlorobenzene - d5	76.5	51-136		%REC	1	9/20/2013 11:44 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43922				PrepDate: 9/20/2013	Analyst: <b>CEI</b>
Lead	40	5.0		mg/Kg	1	9/23/2013 10:29 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C3-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:40:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-072		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM</b>						
<b>EPA 3550B</b>			<b>EPA 8270CSIM</b>			
RunID: MS3_130920B	QC Batch: 43920			PrepDate: 9/20/2013		Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	5.0		µg/Kg	1	9/21/2013 03:21 AM
Acenaphthene	ND	5.0		µg/Kg	1	9/21/2013 03:21 AM
Acenaphthylene	ND	5.0		µg/Kg	1	9/21/2013 03:21 AM
Anthracene	ND	5.0		µg/Kg	1	9/21/2013 03:21 AM
Benzo(a)anthracene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Benzo(a)pyrene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Benzo(b)fluoranthene	60	50		µg/Kg	10	9/23/2013 09:30 AM
Benzo(g,h,i)perylene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Benzo(k)fluoranthene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Chrysene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Dibenz(a,h)anthracene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Fluoranthene	31	5.0		µg/Kg	1	9/21/2013 03:21 AM
Fluorene	ND	5.0		µg/Kg	1	9/21/2013 03:21 AM
Indeno(1,2,3-cd)pyrene	ND	50		µg/Kg	10	9/23/2013 09:30 AM
Naphthalene	ND	5.0		µg/Kg	1	9/21/2013 03:21 AM
Phenanthrene	13	5.0		µg/Kg	1	9/21/2013 03:21 AM
Pyrene	32	5.0		µg/Kg	1	9/21/2013 03:21 AM
Surr: 1,2-Dichlorobenzene-d4	51.1	14-120		%REC	1	9/21/2013 03:21 AM
Surr: 2-Fluorobiphenyl	55.1	28-130		%REC	1	9/21/2013 03:21 AM
Surr: 4-Terphenyl-d14	80.1	19-165		%REC	10	9/23/2013 09:30 AM
Surr: Nitrobenzene-d5	55.1	23-150		%REC	1	9/21/2013 03:21 AM

**LEAD BY ICP**

<b>EPA 3050B</b>		<b>EPA 6010B</b>				
RunID: ICP2_130923A	QC Batch: 43922			PrepDate: 9/20/2013		Analyst: <b>CEI</b>
Lead	15	5.0		mg/Kg	1	9/23/2013 10:34 PM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C3-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:42:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-073		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130920B	QC Batch: 43920	PrepDate:	9/20/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	5.0	µg/Kg	1		9/21/2013 03:49 AM
Acenaphthene	ND	5.0	µg/Kg	1		9/21/2013 03:49 AM
Acenaphthylene	25	5.0	µg/Kg	1		9/21/2013 03:49 AM
Anthracene	87	5.0	µg/Kg	1		9/21/2013 03:49 AM
Benzo(a)anthracene	170	50	µg/Kg	10		9/23/2013 09:57 AM
Benzo(a)pyrene	430	50	µg/Kg	10		9/23/2013 09:57 AM
Benzo(b)fluoranthene	360	50	µg/Kg	10		9/23/2013 09:57 AM
Benzo(g,h,i)perylene	300	50	µg/Kg	10		9/23/2013 09:57 AM
Benzo(k)fluoranthene	140	50	µg/Kg	10		9/23/2013 09:57 AM
Chrysene	210	50	µg/Kg	10		9/23/2013 09:57 AM
Dibenz(a,h)anthracene	ND	50	µg/Kg	10		9/23/2013 09:57 AM
Fluoranthene	930	50	µg/Kg	10		9/23/2013 09:57 AM
Fluorene	19	5.0	µg/Kg	1		9/21/2013 03:49 AM
Indeno(1,2,3-cd)pyrene	150	50	µg/Kg	10		9/23/2013 09:57 AM
Naphthalene	ND	5.0	µg/Kg	1		9/21/2013 03:49 AM
Phenanthrene	610	50	µg/Kg	10		9/23/2013 09:57 AM
Pyrene	1700	50	µg/Kg	10		9/23/2013 09:57 AM
Surr: 1,2-Dichlorobenzene-d4	47.0	14-120	%REC	1		9/21/2013 03:49 AM
Surr: 2-Fluorobiphenyl	51.1	28-130	%REC	1		9/21/2013 03:49 AM
Surr: 4-Terphenyl-d14	80.1	19-165	%REC	10		9/23/2013 09:57 AM
Surr: Nitrobenzene-d5	52.1	23-150	%REC	1		9/21/2013 03:49 AM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43922	PrepDate:	9/20/2013	Analyst:	CEI	
Lead	57	5.0	mg/Kg	1		9/23/2013 10:38 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C3-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:44:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-074		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B				EPA 8270CSIM		
RunID: MS3_130921D	QC Batch: 43920			PrepDate: 9/20/2013	Analyst: MDM	
2-Methylnaphthalene	ND	10	µg/Kg	2	9/21/2013 05:44 PM	
Acenaphthene	ND	10	µg/Kg	2	9/21/2013 05:44 PM	
Acenaphthylene	ND	10	µg/Kg	2	9/21/2013 05:44 PM	
Anthracene	ND	10	µg/Kg	2	9/21/2013 05:44 PM	
Benzo(a)anthracene	32	10	µg/Kg	2	9/21/2013 05:44 PM	
Benzo(a)pyrene	53	50	µg/Kg	10	9/23/2013 12:09 PM	
Benzo(b)fluoranthene	60	50	µg/Kg	10	9/23/2013 12:09 PM	
Benzo(g,h,i)perylene	56	50	µg/Kg	10	9/23/2013 12:09 PM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 12:09 PM	
Chrysene	46	10	µg/Kg	2	9/21/2013 05:44 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 12:09 PM	
Fluoranthene	75	10	µg/Kg	2	9/21/2013 05:44 PM	
Fluorene	ND	10	µg/Kg	2	9/21/2013 05:44 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 12:09 PM	
Naphthalene	ND	10	µg/Kg	2	9/21/2013 05:44 PM	
Phenanthrene	31	10	µg/Kg	2	9/21/2013 05:44 PM	
Pyrene	100	10	µg/Kg	2	9/21/2013 05:44 PM	
Surr: 1,2-Dichlorobenzene-d4	46.0	14-120	%REC	2	9/21/2013 05:44 PM	
Surr: 2-Fluorobiphenyl	46.0	28-130	%REC	2	9/21/2013 05:44 PM	
Surr: 4-Terphenyl-d14	106	19-165	%REC	2	9/21/2013 05:44 PM	
Surr: Nitrobenzene-d5	48.0	23-150	%REC	2	9/21/2013 05:44 PM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471				EPA 7471A		
RunID: AA1_130918E	QC Batch: 43891			PrepDate: 9/17/2013	Analyst: JT	
Mercury	0.16	0.099	mg/Kg	1	9/18/2013	

**ICP METALS**

EPA 3050B				EPA 6010B		
RunID: ICP2_130921A	QC Batch: 43923			PrepDate: 9/20/2013	Analyst: JT	
Antimony	ND	2.0	mg/Kg	1	9/21/2013 06:17 PM	
Arsenic	2.9	1.0	mg/Kg	1	9/21/2013 06:17 PM	
Barium	75	1.0	mg/Kg	1	9/21/2013 06:17 PM	
Beryllium	ND	1.0	mg/Kg	1	9/21/2013 06:17 PM	
Cadmium	ND	1.0	mg/Kg	1	9/21/2013 06:17 PM	
Chromium	81	1.0	mg/Kg	1	9/21/2013 06:17 PM	
Cobalt	18	1.0	mg/Kg	1	9/21/2013 06:17 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-074

**Client Sample ID:** C3-6  
**Collection Date:** 9/12/2013 11:44:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43923			PrepDate:	9/20/2013	Analyst: JT
Copper	35	2.0		mg/Kg	1	9/21/2013 06:17 PM
Lead	62	1.0		mg/Kg	1	9/21/2013 06:17 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 06:17 PM
Nickel	63	1.0		mg/Kg	1	9/21/2013 06:17 PM
Selenium	ND	1.0		mg/Kg	1	9/24/2013 09:20 AM
Silver	ND	1.0		mg/Kg	1	9/21/2013 06:17 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 06:17 PM
Vanadium	32	1.0		mg/Kg	1	9/21/2013 06:17 PM
Zinc	90	1.0	B	mg/Kg	1	9/21/2013 06:17 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C4-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:55:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-075		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	78	5.0	mg/Kg	5	9/21/2013 11:23 AM
ORO	240	5.0	mg/Kg	5	9/21/2013 11:23 AM
Surr: p-Terphenyl	80.1	59-127	%REC	5	9/21/2013 11:23 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 05:39 AM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
Endrin	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 05:39 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/20/2013 05:39 AM
Methoxychlor	ND	8.5	µg/Kg	1	9/20/2013 05:39 AM
Toxaphene	ND	85	µg/Kg	1	9/20/2013 05:39 AM
Surr: Tetrachloro-m-xylene	53.4	28-161	%REC	1	9/20/2013 05:39 AM
Surr: Decachlorobiphenyl	56.1	28-120	%REC	1	9/20/2013 05:39 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130918A	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
Aroclor 1016	ND	16	µg/Kg	1	9/19/2013 03:55 AM
Aroclor 1221	ND	33	µg/Kg	1	9/19/2013 03:55 AM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-075

**Client Sample ID:** C4-0  
**Collection Date:** 9/12/2013 11:55:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130918A	QC Batch: 43900			PrepDate: 9/18/2013		Analyst: MDM
Aroclor 1232	ND	16		µg/Kg	1	9/19/2013 03:55 AM
Aroclor 1242	ND	16		µg/Kg	1	9/19/2013 03:55 AM
Aroclor 1248	ND	16		µg/Kg	1	9/19/2013 03:55 AM
Aroclor 1254	ND	16		µg/Kg	1	9/19/2013 03:55 AM
Aroclor 1260	ND	16		µg/Kg	1	9/19/2013 03:55 AM
Surr: Decachlorobiphenyl	68.0	40-146		%REC	1	9/19/2013 03:55 AM
Surr: Tetrachloro-m-xylene	52.5	32-109		%REC	1	9/19/2013 03:55 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43891			PrepDate: 9/17/2013		Analyst: JT
Mercury	0.22	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

EPA 3050B		EPA 6010B				
RunID: ICP2_130921A	QC Batch: 43923			PrepDate: 9/20/2013		Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 06:24 PM
Arsenic	14	1.0		mg/Kg	1	9/21/2013 06:24 PM
Barium	160	1.0		mg/Kg	1	9/21/2013 06:24 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 06:24 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 06:24 PM
Chromium	29	1.0		mg/Kg	1	9/21/2013 06:24 PM
Cobalt	13	1.0		mg/Kg	1	9/21/2013 06:24 PM
Copper	29	2.0		mg/Kg	1	9/21/2013 06:24 PM
Lead	28	1.0		mg/Kg	1	9/21/2013 06:24 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 06:24 PM
Nickel	24	1.0		mg/Kg	1	9/21/2013 06:24 PM
Selenium	2.8	1.0		mg/Kg	1	9/21/2013 06:24 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 06:24 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 06:24 PM
Vanadium	40	1.0		mg/Kg	1	9/21/2013 06:24 PM
Zinc	98	1.0	B	mg/Kg	1	9/21/2013 06:24 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C4-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-076		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS6_130921A	QC Batch:	Q13VS003	PrepDate:	Analyst:	QBM
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 05:38 PM	
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Benzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C4-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-076		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 05:38 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 05:38 PM
Surr: 1,2-Dichloroethane-d4	87.2	63-139	%REC	1	9/21/2013 05:38 PM
Surr: 4-Bromofluorobenzene	83.1	75-124	%REC	1	9/21/2013 05:38 PM
Surr: Dibromofluoromethane	88.2	70-133	%REC	1	9/21/2013 05:38 PM
Surr: Toluene-d8	87.6	80-123	%REC	1	9/21/2013 05:38 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	61	5.0	mg/Kg	5	9/21/2013 12:14 PM
ORO	160	5.0	mg/Kg	5	9/21/2013 12:14 PM
Surr: p-Terphenyl	92.1	59-127	%REC	5	9/21/2013 12:14 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C4-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:57:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-076		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
				<b>EPA 8015B</b>		
RunID: GC4_130920A	QC Batch: E13VS098			PrepDate:		Analyst: <b>PN</b>
GRO	ND	1.0		mg/Kg	1	9/20/2013 10:46 AM
Surr: Chlorobenzene - d5	79.9	51-136		%REC	1	9/20/2013 10:46 AM
<b>LEAD BY ICP</b>						
				<b>EPA 3050B</b>		
RunID: ICP2_130923A	QC Batch: 43922			PrepDate:	9/20/2013	Analyst: <b>CEI</b>
Lead	13	5.0		mg/Kg	1	9/23/2013 10:43 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C4-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-077		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,1-Dichloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,1-Dichloroethene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,1-Dichloropropene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg 1 9/21/2013 03:10 PM
1,2-Dibromoethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2-Dichloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,2-Dichloropropane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,3-Dichloropropane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
2,2-Dichloropropane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
2-Chlorotoluene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
4-Chlorotoluene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
4-Isopropyltoluene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Benzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Bromobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Bromodichloromethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Bromoform	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Bromomethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Carbon tetrachloride	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Chlorobenzene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Chloroethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Chloroform	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
Chloromethane	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg 1 9/21/2013 03:10 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	C4-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-077		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 03:10 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 03:10 PM
Surr: 1,2-Dichloroethane-d4	99.9	63-139	%REC	1	9/21/2013 03:10 PM
Surr: 4-Bromofluorobenzene	88.0	75-124	%REC	1	9/21/2013 03:10 PM
Surr: Dibromofluoromethane	99.0	70-133	%REC	1	9/21/2013 03:10 PM
Surr: Toluene-d8	91.1	80-123	%REC	1	9/21/2013 03:10 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	15	5.0	mg/Kg	5	9/21/2013 12:40 PM
ORO	39	5.0	mg/Kg	5	9/21/2013 12:40 PM
Surr: p-Terphenyl	77.6	59-127	%REC	5	9/21/2013 12:40 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-077

**Client Sample ID:** C4-6  
**Collection Date:** 9/12/2013 11:59:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/20/2013 11:15 AM
Surr: Chlorobenzene - d5	71.9	51-136	%REC	1	9/20/2013 11:15 AM

**LEAD BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130923A	QC Batch: 43922	PrepDate: 9/20/2013	Analyst: <b>CEI</b>		
Lead	43	5.0	mg/Kg	1	9/23/2013 11:06 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D5-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:24:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-078		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130921D	QC Batch: 43920			PrepDate:	9/20/2013	Analyst: <b>MDM</b>
2-Methylnaphthalene	ND	10		µg/Kg	2	9/21/2013 06:12 PM
Acenaphthene	ND	10		µg/Kg	2	9/21/2013 06:12 PM
Acenaphthylene	ND	10		µg/Kg	2	9/21/2013 06:12 PM
Anthracene	ND	10		µg/Kg	2	9/21/2013 06:12 PM
Benzo(a)anthracene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Benzo(a)pyrene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Benzo(b)fluoranthene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Benzo(g,h,i)perylene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Benzo(k)fluoranthene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Chrysene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Dibenz(a,h)anthracene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Fluoranthene	22	10		µg/Kg	2	9/21/2013 06:12 PM
Fluorene	ND	10		µg/Kg	2	9/21/2013 06:12 PM
Indeno(1,2,3-cd)pyrene	ND	100		µg/Kg	20	9/23/2013 12:37 PM
Naphthalene	ND	10		µg/Kg	2	9/21/2013 06:12 PM
Phenanthrene	13	10		µg/Kg	2	9/21/2013 06:12 PM
Pyrene	25	10		µg/Kg	2	9/21/2013 06:12 PM
Surr: 1,2-Dichlorobenzene-d4	48.0	14-120		%REC	2	9/21/2013 06:12 PM
Surr: 2-Fluorobiphenyl	54.1	28-130		%REC	2	9/21/2013 06:12 PM
Surr: 4-Terphenyl-d14	100	19-165		%REC	20	9/23/2013 12:37 PM
Surr: Nitrobenzene-d5	56.1	23-150		%REC	2	9/21/2013 06:12 PM

**LEAD BY ICP**

EPA 3050B		EPA 6010B				
RunID: ICP2_130923A	QC Batch: 43922			PrepDate:	9/20/2013	Analyst: <b>CEI</b>
Lead	21	5.0		mg/Kg	1	9/23/2013 11:10 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D5-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-079		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

**EPA 3550B**

**EPA 8270CSIM**

RunID: MS3_130921D	QC Batch: 43920	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
2-Methylnaphthalene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Acenaphthene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Acenaphthylene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Anthracene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Benzo(a)anthracene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Benzo(a)pyrene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Benzo(b)fluoranthene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Benzo(g,h,i)perylene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Benzo(k)fluoranthene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Chrysene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Dibenz(a,h)anthracene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Fluoranthene	19	10	µg/Kg	2	9/21/2013 06:40 PM
Fluorene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Indeno(1,2,3-cd)pyrene	ND	100	µg/Kg	20	9/23/2013 01:04 PM
Naphthalene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Phenanthrene	ND	10	µg/Kg	2	9/21/2013 06:40 PM
Pyrene	22	10	µg/Kg	2	9/21/2013 06:40 PM
Surr: 1,2-Dichlorobenzene-d4	54.1	14-120	%REC	2	9/21/2013 06:40 PM
Surr: 2-Fluorobiphenyl	58.1	28-130	%REC	2	9/21/2013 06:40 PM
Surr: 4-Terphenyl-d14	100	19-165	%REC	20	9/23/2013 01:04 PM
Surr: Nitrobenzene-d5	60.1	23-150	%REC	2	9/21/2013 06:40 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 11:17 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D5-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-079		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 11:17 AM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D5-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-079		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 11:17 AM
Surr: 1,2-Dichloroethane-d4	96.6	63-139	%REC	1	9/21/2013 11:17 AM
Surr: 4-Bromofluorobenzene	85.9	75-124	%REC	1	9/21/2013 11:17 AM
Surr: Dibromofluoromethane	95.5	70-133	%REC	1	9/21/2013 11:17 AM
Surr: Toluene-d8	89.3	80-123	%REC	1	9/21/2013 11:17 AM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
4,4'-DDD	2.7	2.0	µg/Kg	1	9/20/2013 06:05 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 06:05 AM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
Endrin	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 06:05 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 06:05 AM

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D5-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-079		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/20/2013 06:05 AM
Methoxychlor	ND	8.5		µg/Kg	1	9/20/2013 06:05 AM
Toxaphene	ND	85		µg/Kg	1	9/20/2013 06:05 AM
Surr: Tetrachloro-m-xylene	53.1	28-161		%REC	1	9/20/2013 06:05 AM
Surr: Decachlorobiphenyl	55.7	28-120		%REC	1	9/20/2013 06:05 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130918A	QC Batch: 43900				PrepDate: 9/18/2013	Analyst: <b>MDM</b>
Aroclor 1016	ND	17		µg/Kg	1	9/19/2013 04:25 AM
Aroclor 1221	ND	33		µg/Kg	1	9/19/2013 04:25 AM
Aroclor 1232	ND	17		µg/Kg	1	9/19/2013 04:25 AM
Aroclor 1242	ND	17		µg/Kg	1	9/19/2013 04:25 AM
Aroclor 1248	ND	17		µg/Kg	1	9/19/2013 04:25 AM
Aroclor 1254	ND	17		µg/Kg	1	9/19/2013 04:25 AM
Aroclor 1260	ND	17		µg/Kg	1	9/19/2013 04:25 AM
Surr: Decachlorobiphenyl	74.9	40-146		%REC	1	9/19/2013 04:25 AM
Surr: Tetrachloro-m-xylene	63.4	32-109		%REC	1	9/19/2013 04:25 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130919A	QC Batch: E13VS097				PrepDate:	Analyst: <b>PN</b>
GRO	ND	1.0		mg/Kg	1	9/19/2013 10:13 AM
Surr: Chlorobenzene - d5	99.9	51-136		%REC	1	9/19/2013 10:13 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43891				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.54	0.099		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43923				PrepDate: 9/20/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/21/2013 06:43 PM
Arsenic	6.5	1.0		mg/Kg	1	9/21/2013 06:43 PM
Barium	130	1.0		mg/Kg	1	9/21/2013 06:43 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 06:43 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D5-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:37:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-079		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS</b>						
	<b>EPA 3050B</b>	<b>EPA 6010B</b>				
RunID: ICP2_130921A	QC Batch: 43923			PrepDate:	9/20/2013	Analyst: JT
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 06:43 PM
Chromium	36	1.0		mg/Kg	1	9/21/2013 06:43 PM
Cobalt	9.4	1.0		mg/Kg	1	9/21/2013 06:43 PM
Copper	40	2.0		mg/Kg	1	9/21/2013 06:43 PM
Lead	24	1.0		mg/Kg	1	9/21/2013 06:43 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 06:43 PM
Nickel	40	1.0		mg/Kg	1	9/21/2013 06:43 PM
Selenium	1.5	1.0		mg/Kg	1	9/21/2013 06:43 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 06:43 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 06:43 PM
Vanadium	34	1.0		mg/Kg	1	9/21/2013 06:43 PM
Zinc	67	1.0	B	mg/Kg	1	9/21/2013 06:43 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D6-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:59:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-080		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	84	5.0	mg/Kg	5	9/21/2013 01:05 PM
ORO	200	5.0	mg/Kg	5	9/21/2013 01:05 PM
Surr: p-Terphenyl	81.3	59-127	%REC	5	9/21/2013 01:05 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 06:31 AM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
Dieldrin	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
Endrin	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 06:31 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/20/2013 06:31 AM
Methoxychlor	ND	8.5	µg/Kg	1	9/20/2013 06:31 AM
Toxaphene	ND	85	µg/Kg	1	9/20/2013 06:31 AM
Surr: Tetrachloro-m-xylene	47.7	28-161	%REC	1	9/20/2013 06:31 AM
Surr: Decachlorobiphenyl	54.5	28-120	%REC	1	9/20/2013 06:31 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130918A	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
Aroclor 1016	ND	16	µg/Kg	1	9/19/2013 04:54 AM
Aroclor 1221	ND	33	µg/Kg	1	9/19/2013 04:54 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-080

**Client Sample ID:** D6-0  
**Collection Date:** 9/12/2013 10:59:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**PCBS BY GC/ECD**

EPA 3550B		EPA 8082				
RunID: GC7_130918A	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>			
Aroclor 1232	ND	16	µg/Kg	1	9/19/2013 04:54 AM	
Aroclor 1242	ND	16	µg/Kg	1	9/19/2013 04:54 AM	
Aroclor 1248	ND	16	µg/Kg	1	9/19/2013 04:54 AM	
Aroclor 1254	ND	16	µg/Kg	1	9/19/2013 04:54 AM	
Aroclor 1260	ND	16	µg/Kg	1	9/19/2013 04:54 AM	
Surr: Decachlorobiphenyl	77.3	40-146	%REC	1	9/19/2013 04:54 AM	
Surr: Tetrachloro-m-xylene	90.0	32-109	%REC	1	9/19/2013 04:54 AM	

**MERCURY BY COLD VAPOR TECHNIQUE**

EPA 7471		EPA 7471A				
RunID: AA1_130918E	QC Batch: 43892	PrepDate: 9/17/2013	Analyst: <b>JT</b>			
Mercury	0.30	0.10	mg/Kg	1	9/18/2013	

**ICP METALS**

EPA 3050B		EPA 6010B				
RunID: ICP2_130921A	QC Batch: 43923	PrepDate: 9/20/2013	Analyst: <b>JT</b>			
Antimony	ND	2.0	mg/Kg	1	9/21/2013 06:51 PM	
Arsenic	9.8	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Barium	120	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Beryllium	ND	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Cadmium	ND	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Chromium	27	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Cobalt	9.1	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Copper	32	2.0	mg/Kg	1	9/21/2013 06:51 PM	
Lead	45	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Molybdenum	ND	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Nickel	23	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Selenium	2.0	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Silver	ND	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Thallium	ND	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Vanadium	35	1.0	mg/Kg	1	9/21/2013 06:51 PM	
Zinc	92	1.0	mg/Kg	1	9/21/2013 06:51 PM	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-081

**Client Sample ID:** D6-3  
**Collection Date:** 9/12/2013 11:11:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>HEXAVALENT CHROMIUM</b>						
<b>EPA 3060A</b>			<b>EPA 7196A</b>			
RunID: WETCHEM_130920D	QC Batch: 43908				PrepDate: 9/19/2013	Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0		mg/Kg	1	9/20/2013
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130921A	QC Batch: 43921				PrepDate: 9/20/2013	Analyst: <b>MDM</b>
DRO	78	5.0		mg/Kg	5	9/21/2013 01:31 PM
ORO	170	5.0		mg/Kg	5	9/21/2013 01:31 PM
Surr: p-Terphenyl	79.8	59-127		%REC	5	9/21/2013 01:31 PM
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
<b>EPA 7471</b>			<b>EPA 7471A</b>			
RunID: AA1_130918E	QC Batch: 43892				PrepDate: 9/17/2013	Analyst: <b>JT</b>
Mercury	0.090	0.010		mg/Kg	1	9/18/2013
<b>ICP METALS</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130921A	QC Batch: 43923				PrepDate: 9/20/2013	Analyst: <b>JT</b>
Antimony	ND	2.0		mg/Kg	1	9/21/2013 06:58 PM
Arsenic	9.9	1.0		mg/Kg	1	9/21/2013 06:58 PM
Barium	150	1.0		mg/Kg	1	9/21/2013 06:58 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 06:58 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 06:58 PM
Chromium	30	1.0		mg/Kg	1	9/21/2013 06:58 PM
Cobalt	9.4	1.0		mg/Kg	1	9/21/2013 06:58 PM
Copper	46	2.0		mg/Kg	1	9/21/2013 06:58 PM
Lead	110	1.0		mg/Kg	1	9/21/2013 06:58 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 06:58 PM
Nickel	28	1.0		mg/Kg	1	9/21/2013 06:58 PM
Selenium	1.7	1.0		mg/Kg	1	9/21/2013 06:58 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 06:58 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 06:58 PM
Vanadium	36	1.0		mg/Kg	1	9/21/2013 06:58 PM
Zinc	160	1.0	B	mg/Kg	1	9/21/2013 06:58 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D7-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:31:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-082		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130921D	QC Batch: 43920	PrepDate:	9/20/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	10	µg/Kg	2	9/21/2013 07:08 PM	
Acenaphthene	ND	10	µg/Kg	2	9/21/2013 07:08 PM	
Acenaphthylene	ND	10	µg/Kg	2	9/21/2013 07:08 PM	
Anthracene	ND	10	µg/Kg	2	9/21/2013 07:08 PM	
Benzo(a)anthracene	13	10	µg/Kg	2	9/21/2013 07:08 PM	
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 01:32 PM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 01:32 PM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 01:32 PM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 01:32 PM	
Chrysene	14	10	µg/Kg	2	9/21/2013 07:08 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 01:32 PM	
Fluoranthene	23	10	µg/Kg	2	9/21/2013 07:08 PM	
Fluorene	ND	10	µg/Kg	2	9/21/2013 07:08 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 01:32 PM	
Naphthalene	ND	10	µg/Kg	2	9/21/2013 07:08 PM	
Phenanthrene	19	10	µg/Kg	2	9/21/2013 07:08 PM	
Pyrene	24	10	µg/Kg	2	9/21/2013 07:08 PM	
Surr: 1,2-Dichlorobenzene-d4	42.0	14-120	%REC	2	9/21/2013 07:08 PM	
Surr: 2-Fluorobiphenyl	42.0	28-130	%REC	2	9/21/2013 07:08 PM	
Surr: 4-Terphenyl-d14	120	19-165	%REC	2	9/21/2013 07:08 PM	
Surr: Nitrobenzene-d5	48.0	23-150	%REC	2	9/21/2013 07:08 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130923A	QC Batch: 43922	PrepDate:	9/20/2013	Analyst:	CEI
Lead	47	5.0	mg/Kg	1	9/23/2013 11:19 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D7-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:44:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-083		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS-SIM**

EPA 3550B		EPA 8270CSIM				
RunID: MS3_130921D	QC Batch: 43920	PrepDate:	9/20/2013	Analyst:	MDM	
2-Methylnaphthalene	ND	10	µg/Kg	2	9/21/2013 07:35 PM	
Acenaphthene	ND	10	µg/Kg	2	9/21/2013 07:35 PM	
Acenaphthylene	ND	10	µg/Kg	2	9/21/2013 07:35 PM	
Anthracene	ND	10	µg/Kg	2	9/21/2013 07:35 PM	
Benzo(a)anthracene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Benzo(a)pyrene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Benzo(b)fluoranthene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Benzo(g,h,i)perylene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Benzo(k)fluoranthene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Chrysene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Dibenz(a,h)anthracene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Fluoranthene	49	10	µg/Kg	2	9/21/2013 07:35 PM	
Fluorene	ND	10	µg/Kg	2	9/21/2013 07:35 PM	
Indeno(1,2,3-cd)pyrene	ND	50	µg/Kg	10	9/23/2013 02:00 PM	
Naphthalene	ND	10	µg/Kg	2	9/21/2013 07:35 PM	
Phenanthrene	15	10	µg/Kg	2	9/21/2013 07:35 PM	
Pyrene	51	10	µg/Kg	2	9/21/2013 07:35 PM	
Surr: 1,2-Dichlorobenzene-d4	50.1	14-120	%REC	2	9/21/2013 07:35 PM	
Surr: 2-Fluorobiphenyl	50.1	28-130	%REC	2	9/21/2013 07:35 PM	
Surr: 4-Terphenyl-d14	80.1	19-165	%REC	10	9/23/2013 02:00 PM	
Surr: Nitrobenzene-d5	52.1	23-150	%REC	2	9/21/2013 07:35 PM	

**LEAD BY ICP**

EPA 3050B		EPA 6010B			
RunID: ICP2_130923A	QC Batch: 43922	PrepDate:	9/20/2013	Analyst:	CEI
Lead	38	5.0	mg/Kg	1	9/23/2013 11:28 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D8-0
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 9:41:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-084		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130921A	QC Batch: 43921				PrepDate: 9/20/2013	Analyst: <b>MDM</b>
DRO	13	5.0		mg/Kg	5	9/21/2013 01:56 PM
ORO	33	5.0		mg/Kg	5	9/21/2013 01:56 PM
Surr: p-Terphenyl	76.8	59-127		%REC	5	9/21/2013 01:56 PM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43922				PrepDate: 9/20/2013	Analyst: <b>CEI</b>
Lead	28	5.0		mg/Kg	1	9/23/2013 11:32 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D8-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:01:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-085		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	9/21/2013 03:32 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Benzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Bromobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Bromoform	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Bromomethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Chlorobenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Chloroethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Chloroform	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Chloromethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	D8-3
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 10:01:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-085		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS6_130921A	QC Batch: Q13VS003	PrepDate:	Analyst: <b>QBM</b>		
Dibromochloromethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Dibromomethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Ethylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
m,p-Xylene	ND	10	µg/Kg	1	9/21/2013 03:32 PM
Methylene chloride	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
MTBE	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Naphthalene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
o-Xylene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Styrene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Toluene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Trichloroethene	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Vinyl chloride	ND	5.0	µg/Kg	1	9/21/2013 03:32 PM
Surr: 1,2-Dichloroethane-d4	105	63-139	%REC	1	9/21/2013 03:32 PM
Surr: 4-Bromofluorobenzene	82.8	75-124	%REC	1	9/21/2013 03:32 PM
Surr: Dibromofluoromethane	101	70-133	%REC	1	9/21/2013 03:32 PM
Surr: Toluene-d8	88.0	80-123	%REC	1	9/21/2013 03:32 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	15	5.0	mg/Kg	5	9/21/2013 02:22 PM
ORO	38	5.0	mg/Kg	5	9/21/2013 02:22 PM
Surr: p-Terphenyl	77.7	59-127	%REC	5	9/21/2013 02:22 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>
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**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-085

**Client Sample ID:** D8-3  
**Collection Date:** 9/12/2013 10:01:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: GC4_130920A	QC Batch: E13VS098	PrepDate:	Analyst: <b>PN</b>		
GRO	ND	1.0	mg/Kg	1	9/20/2013 10:18 AM
Surr: Chlorobenzene - d5	87.1	51-136	%REC	1	9/20/2013 10:18 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43892	PrepDate: 9/17/2013	Analyst: <b>JT</b>		
Mercury	ND	0.10	mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43923	PrepDate: 9/20/2013	Analyst: <b>JT</b>		
Antimony	ND	2.0	mg/Kg	1	9/21/2013 07:06 PM
Arsenic	3.6	1.0	mg/Kg	1	9/21/2013 07:06 PM
Barium	150	1.0	mg/Kg	1	9/21/2013 07:06 PM
Beryllium	ND	1.0	mg/Kg	1	9/21/2013 07:06 PM
Cadmium	ND	1.0	mg/Kg	1	9/21/2013 07:06 PM
Chromium	27	1.0	mg/Kg	1	9/21/2013 07:06 PM
Cobalt	9.9	1.0	mg/Kg	1	9/21/2013 07:06 PM
Copper	17	2.0	mg/Kg	1	9/21/2013 07:06 PM
Lead	29	1.0	mg/Kg	1	9/21/2013 07:06 PM
Molybdenum	ND	1.0	mg/Kg	1	9/21/2013 07:06 PM
Nickel	25	1.0	mg/Kg	1	9/21/2013 07:06 PM
Selenium	ND	1.0	mg/Kg	1	9/21/2013 07:06 PM
Silver	ND	1.0	mg/Kg	1	9/21/2013 07:06 PM
Thallium	ND	1.0	mg/Kg	1	9/21/2013 07:06 PM
Vanadium	31	1.0	mg/Kg	1	9/21/2013 07:06 PM
Zinc	48	1.0	mg/Kg	1	9/21/2013 07:06 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-086

**Client Sample ID:** E4-0  
**Collection Date:** 9/12/2013 11:41:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921				PrepDate: 9/20/2013	Analyst: MDM
DRO	49	5.0		mg/Kg	5	9/21/2013 02:48 PM
ORO	130	5.0		mg/Kg	5	9/21/2013 02:48 PM
Surr: p-Terphenyl	72.4	59-127		%REC	5	9/21/2013 02:48 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_130918E	QC Batch: 43892				PrepDate: 9/17/2013	Analyst: JT
Mercury	0.45	0.10		mg/Kg	1	9/18/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_130921A	QC Batch: 43923				PrepDate: 9/20/2013	Analyst: JT
Antimony	ND	2.0		mg/Kg	1	9/21/2013 07:20 PM
Arsenic	8.5	1.0		mg/Kg	1	9/21/2013 07:20 PM
Barium	150	1.0		mg/Kg	1	9/21/2013 07:20 PM
Beryllium	ND	1.0		mg/Kg	1	9/21/2013 07:20 PM
Cadmium	ND	1.0		mg/Kg	1	9/21/2013 07:20 PM
Chromium	39	1.0		mg/Kg	1	9/21/2013 07:20 PM
Cobalt	11	1.0		mg/Kg	1	9/21/2013 07:20 PM
Copper	64	2.0		mg/Kg	1	9/21/2013 07:20 PM
Lead	1900	1.0		mg/Kg	1	9/21/2013 07:20 PM
Molybdenum	ND	1.0		mg/Kg	1	9/21/2013 07:20 PM
Nickel	43	1.0		mg/Kg	1	9/21/2013 07:20 PM
Selenium	1.6	1.0		mg/Kg	1	9/21/2013 07:20 PM
Silver	ND	1.0		mg/Kg	1	9/21/2013 07:20 PM
Thallium	ND	1.0		mg/Kg	1	9/21/2013 07:20 PM
Vanadium	30	1.0		mg/Kg	1	9/21/2013 07:20 PM
Zinc	130	1.0	B	mg/Kg	1	9/21/2013 07:20 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-087

**Client Sample ID:** E4-3  
**Collection Date:** 9/12/2013 11:47:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B</b>			
RunID: GC1_130921A	QC Batch: 43921				PrepDate: 9/20/2013	Analyst: <b>MDM</b>
DRO	100	5.0		mg/Kg	5	9/21/2013 03:13 PM
ORO	250	5.0		mg/Kg	5	9/21/2013 03:13 PM
Surr: p-Terphenyl	60.8	59-127		%REC	5	9/21/2013 03:13 PM
<b>LEAD BY ICP</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43922				PrepDate: 9/20/2013	Analyst: <b>CEI</b>
Lead	99	5.0		mg/Kg	1	9/23/2013 11:36 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E4-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:54:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-088		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: GC1_130921A	QC Batch: 43921	PrepDate: 9/20/2013	Analyst: <b>MDM</b>		
DRO	89	5.0	mg/Kg	5	9/21/2013 04:04 PM
ORO	230	5.0	mg/Kg	5	9/21/2013 04:04 PM
Surr: p-Terphenyl	72.8	59-127	%REC	5	9/21/2013 04:04 PM

**ORGANOCHLORINE PESTICIDES BY GC/ECD**

**EPA 3550B**

**EPA 8081A**

RunID: GC7_130919B	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
4,4'-DDD	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
4,4'-DDE	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
4,4'-DDT	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
Aldrin	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
alpha-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
alpha-Chlordane	1.6	1.0	µg/Kg	1	9/20/2013 06:57 AM
beta-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
Chlordane	ND	8.5	µg/Kg	1	9/20/2013 06:57 AM
delta-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
Dieldrin	4.0	2.0	µg/Kg	1	9/20/2013 06:57 AM
Endosulfan I	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
Endosulfan II	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
Endrin	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
Endrin ketone	ND	2.0	µg/Kg	1	9/20/2013 06:57 AM
gamma-BHC	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
gamma-Chlordane	2.9	1.0	µg/Kg	1	9/20/2013 06:57 AM
Heptachlor	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/20/2013 06:57 AM
Methoxychlor	ND	8.5	µg/Kg	1	9/20/2013 06:57 AM
Toxaphene	ND	85	µg/Kg	1	9/20/2013 06:57 AM
Surr: Tetrachloro-m-xylene	58.4	28-161	%REC	1	9/20/2013 06:57 AM
Surr: Decachlorobiphenyl	48.1	28-120	%REC	1	9/20/2013 06:57 AM

**PCBS BY GC/ECD**

**EPA 3550B**

**EPA 8082**

RunID: GC7_130918A	QC Batch: 43900	PrepDate: 9/18/2013	Analyst: <b>MDM</b>		
Aroclor 1016	ND	17	µg/Kg	1	9/19/2013 05:24 AM
Aroclor 1221	ND	33	µg/Kg	1	9/19/2013 05:24 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 25-Sep-13

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	E4-6
<b>Lab Order:</b>	N011009	<b>Collection Date:</b>	9/12/2013 11:54:00 AM
<b>Project:</b>	800 Cedar St, E8560-02-55	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	N011009-088		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>PCBS BY GC/ECD</b>						
	<b>EPA 3550B</b>		<b>EPA 8082</b>			
RunID: GC7_130918A	QC Batch: 43900			PrepDate: 9/18/2013		Analyst: <b>MDM</b>
Aroclor 1232	ND	17		µg/Kg	1	9/19/2013 05:24 AM
Aroclor 1242	ND	17		µg/Kg	1	9/19/2013 05:24 AM
Aroclor 1248	ND	17		µg/Kg	1	9/19/2013 05:24 AM
Aroclor 1254	99	17		µg/Kg	1	9/19/2013 05:24 AM
Aroclor 1260	ND	17		µg/Kg	1	9/19/2013 05:24 AM
Surr: Decachlorobiphenyl	69.4	40-146		%REC	1	9/19/2013 05:24 AM
Surr: Tetrachloro-m-xylene	67.2	32-109		%REC	1	9/19/2013 05:24 AM
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: ICP2_130923A	QC Batch: 43922			PrepDate: 9/20/2013		Analyst: <b>CEI</b>
Lead	96	5.0		mg/Kg	1	9/23/2013 11:42 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_S**

Sample ID: <b>MB-43913</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648793</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.271	1.0									
Cobalt	ND	1.0									
Copper	0.163	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.209	1.0									

Sample ID: <b>MB2-43913</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648794</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.260	1.0									
Cobalt	ND	1.0									

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>MB2-43913</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648794</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	0.190	1.0									

Sample ID: <b>LCS-43913</b>	SampType: <b>LCS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648795</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	22.954	2.0	25.00	0	91.8	80	120				
Arsenic	22.704	1.0	25.00	0	90.8	80	120				
Barium	23.644	1.0	25.00	0	94.6	80	120				
Beryllium	23.122	1.0	25.00	0	92.5	80	120				
Cadmium	22.724	1.0	25.00	0	90.9	80	120				
Chromium	23.814	1.0	25.00	0	95.3	80	120				
Cobalt	23.156	1.0	25.00	0	92.6	80	120				
Copper	23.444	2.0	25.00	0	93.8	80	120				
Lead	23.168	1.0	25.00	0	92.7	80	120				
Molybdenum	23.242	1.0	25.00	0	93.0	80	120				
Nickel	23.930	1.0	25.00	0	95.7	80	120				
Selenium	20.239	1.0	25.00	0	81.0	80	120				
Silver	22.283	1.0	25.00	0	89.1	80	120				
Thallium	22.800	1.0	25.00	0	91.2	80	120				
Vanadium	23.679	1.0	25.00	0	94.7	80	120				
Zinc	23.476	1.0	25.00	0	93.9	80	120				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011009-001A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90396</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43913</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648799</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.832	2.0	24.98	0	31.4	75	125				S
Arsenic	26.648	1.0	24.98	4.877	87.2	75	125				
Barium	151.951	1.0	24.98	101.9	200	75	125				S
Beryllium	20.957	1.0	24.98	0.1547	83.3	75	125				
Cadmium	18.684	1.0	24.98	0	74.8	75	125				S
Chromium	60.014	1.0	24.98	36.09	95.8	75	125				
Cobalt	31.158	1.0	24.98	9.151	88.1	75	125				
Copper	58.420	2.0	24.98	30.51	112	75	125				
Lead	79.660	1.0	24.98	57.62	88.2	75	125				
Molybdenum	19.115	1.0	24.98	0	76.5	75	125				
Nickel	51.824	1.0	24.98	31.84	80.0	75	125				
Selenium	19.416	1.0	24.98	1.236	72.8	75	125				S
Silver	18.466	1.0	24.98	0	73.9	75	125				S
Thallium	16.853	1.0	24.98	0	67.5	75	125				S
Vanadium	66.392	1.0	24.98	32.88	134	75	125				S
Zinc	112.854	1.0	24.98	87.26	102	75	125				

Sample ID: <b>N011009-001A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90396</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43913</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648800</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.392	2.0	24.88	0	33.7	75	125	7.832	6.90	20	S
Arsenic	25.683	1.0	24.88	4.877	83.6	75	125	26.65	3.69	20	
Barium	110.553	1.0	24.88	101.9	34.8	75	125	152.0	31.5	20	SR
Beryllium	20.937	1.0	24.88	0.1547	83.5	75	125	20.96	0.0949	20	
Cadmium	19.167	1.0	24.88	0	77.1	75	125	18.68	2.55	20	
Chromium	54.069	1.0	24.88	36.09	72.3	75	125	60.01	10.4	20	S
Cobalt	29.097	1.0	24.88	9.151	80.2	75	125	31.16	6.84	20	
Copper	55.776	2.0	24.88	30.51	102	75	125	58.42	4.63	20	
Lead	69.071	1.0	24.88	57.62	46.0	75	125	79.66	14.2	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011009-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648800</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	19.091	1.0	24.88	0	76.7	75	125	19.12	0.126	20	
Nickel	50.734	1.0	24.88	31.84	75.9	75	125	51.82	2.13	20	
Selenium	18.573	1.0	24.88	1.236	69.7	75	125	19.42	4.44	20	S
Silver	18.534	1.0	24.88	0	74.5	75	125	18.47	0.370	20	S
Thallium	16.739	1.0	24.88	0	67.3	75	125	16.85	0.679	20	S
Vanadium	59.360	1.0	24.88	32.88	106	75	125	66.39	11.2	20	
Zinc	101.966	1.0	24.88	87.26	59.1	75	125	112.9	10.1	20	S

Sample ID: <b>N011009-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648802</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	3.966	1.0						6.522	48.7	20	R
Barium	108.451	1.0						112.6	3.72	20	
Beryllium	0.168	1.0						0.1910	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	29.885	1.0						33.48	11.4	20	
Cobalt	11.254	1.0						9.666	15.2	20	
Copper	130.330	2.0						20.85	145	20	R
Lead	23.460	1.0						21.29	9.70	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	34.398	1.0						41.86	19.6	20	
Selenium	1.282	1.0						0.9430	30.4	20	R
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	34.310	1.0						34.66	1.00	20	
Zinc	40.148	1.0						43.48	7.96	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011009-023A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90396</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43913</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648814</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.107	2.0	24.99	0	32.4	75	125				S
Arsenic	27.510	1.0	24.99	8.924	74.4	75	125				S
Barium	119.171	1.0	24.99	91.97	109	75	125				
Beryllium	19.700	1.0	24.99	0.1759	78.1	75	125				
Cadmium	18.730	1.0	24.99	0	75.0	75	125				S
Chromium	49.423	1.0	24.99	23.72	103	75	125				
Cobalt	28.169	1.0	24.99	7.564	82.5	75	125				
Copper	49.705	2.0	24.99	21.23	114	75	125				
Lead	31.270	1.0	24.99	12.75	74.1	75	125				S
Molybdenum	19.221	1.0	24.99	0	76.9	75	125				
Nickel	40.853	1.0	24.99	18.71	88.6	75	125				
Selenium	18.852	1.0	24.99	1.856	68.0	75	125				S
Silver	16.780	1.0	24.99	0	67.2	75	125				S
Thallium	15.839	1.0	24.99	0	63.4	75	125				S
Vanadium	56.821	1.0	24.99	31.61	101	75	125				
Zinc	98.916	1.0	24.99	82.16	67.1	75	125				S

Sample ID: <b>N011009-028A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90396</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43913</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648821</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	3.317	1.0						3.320	0.0976	20	
Barium	139.723	1.0						129.8	7.39	20	
Beryllium	0.306	1.0						0.3032	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	29.112	1.0						28.19	3.22	20	
Cobalt	8.321	1.0						8.345	0.283	20	
Copper	18.731	2.0						17.40	7.34	20	
Lead	33.004	1.0						29.76	10.3	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011009-028A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90396</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43913</b>	TestNo: <b>EPA 6010B EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648821</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0						0.2419	0	20	
Nickel	25.719	1.0						23.50	9.01	20	
Selenium	1.020	1.0						1.141	11.2	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	31.265	1.0						31.89	1.99	20	
Zinc	52.444	1.0						60.09	13.6	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>MB-43923</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648409</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.494	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.228	1.0									
Chromium	0.180	1.0									
Cobalt	ND	1.0									
Copper	1.467	2.0									
Lead	0.595	1.0									
Molybdenum	0.429	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	0.184	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	2.551	1.0									

Sample ID: <b>MB2-43923</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648410</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.270	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	0.166	1.0									
Cobalt	ND	1.0									
Copper	0.681	2.0									
Lead	0.302	1.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>MB2-43923</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648410</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	1.519	1.0									

Sample ID: <b>LCS-43923</b>	SampType: <b>LCS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648411</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	24.955	2.0	25.00	0	99.8	80	120				
Arsenic	23.999	1.0	25.00	0	96.0	80	120				
Barium	24.874	1.0	25.00	0	99.5	80	120				
Beryllium	23.656	1.0	25.00	0	94.6	80	120				
Cadmium	23.915	1.0	25.00	0	95.7	80	120				
Chromium	25.116	1.0	25.00	0	100	80	120				
Cobalt	24.152	1.0	25.00	0	96.6	80	120				
Copper	25.475	2.0	25.00	0	102	80	120				
Lead	24.558	1.0	25.00	0	98.2	80	120				
Molybdenum	24.268	1.0	25.00	0	97.1	80	120				
Nickel	24.771	1.0	25.00	0	99.1	80	120				
Selenium	20.801	1.0	25.00	0	83.2	80	120				
Silver	23.949	1.0	25.00	0	95.8	80	120				
Thallium	23.819	1.0	25.00	0	95.3	80	120				
Vanadium	25.002	1.0	25.00	0	100	80	120				
Zinc	24.427	1.0	25.00	0	97.7	80	120				B

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 6010\_S

Sample ID: N011009-049A-MS		SampType: MS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 9/20/2013		RunNo: 90388	
Client ID: ZZZZZZ		Batch ID: 43923		TestNo: EPA 6010B EPA 3050B		Analysis Date: 9/21/2013		SeqNo: 1648417			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.049	2.0	24.88	0	24.3	75	125				S
Arsenic	23.314	1.0	24.88	4.073	77.4	75	125				
Barium	146.854	1.0	24.88	136.0	43.7	75	125				S
Beryllium	20.470	1.0	24.88	0.3060	81.1	75	125				
Cadmium	18.455	1.0	24.88	0	74.2	75	125				S
Chromium	55.268	1.0	24.88	34.42	83.8	75	125				
Cobalt	30.005	1.0	24.88	10.90	76.8	75	125				
Copper	46.058	2.0	24.88	21.85	97.3	75	125				
Lead	45.206	1.0	24.88	24.12	84.8	75	125				
Molybdenum	17.902	1.0	24.88	0.2054	71.1	75	125				S
Nickel	60.926	1.0	24.88	42.77	73.0	75	125				S
Selenium	18.547	1.0	24.88	1.318	69.3	75	125				S
Silver	18.153	1.0	24.88	0	73.0	75	125				S
Thallium	16.850	1.0	24.88	0	67.7	75	125				S
Vanadium	56.812	1.0	24.88	39.39	70.0	75	125				S
Zinc	67.293	1.0	24.88	50.09	69.1	75	125				BS

Sample ID: N011009-049A-MSD		SampType: MSD		TestCode: 6010_S		Units: mg/Kg		Prep Date: 9/20/2013		RunNo: 90388	
Client ID: ZZZZZZ		Batch ID: 43923		TestNo: EPA 6010B EPA 3050B		Analysis Date: 9/21/2013		SeqNo: 1648418			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	4.133	2.0	25.06	0	16.5	75	125	6.049	37.6	20	SR
Arsenic	25.227	1.0	25.06	4.073	84.4	75	125	23.31	7.88	20	
Barium	164.656	1.0	25.06	136.0	114	75	125	146.9	11.4	20	
Beryllium	20.705	1.0	25.06	0.3060	81.4	75	125	20.47	1.14	20	
Cadmium	18.734	1.0	25.06	0	74.7	75	125	18.45	1.50	20	S
Chromium	71.677	1.0	25.06	34.42	149	75	125	55.27	25.9	20	SR
Cobalt	32.678	1.0	25.06	10.90	86.9	75	125	30.01	8.53	20	
Copper	48.516	2.0	25.06	21.85	106	75	125	46.06	5.20	20	
Lead	37.063	1.0	25.06	24.12	51.7	75	125	45.21	19.8	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011009-049A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648418</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	18.356	1.0	25.06	0.2054	72.4	75	125	17.90	2.51	20	S
Nickel	79.821	1.0	25.06	42.77	148	75	125	60.93	26.8	20	SR
Selenium	19.266	1.0	25.06	1.318	71.6	75	125	18.55	3.80	20	S
Silver	18.630	1.0	25.06	0	74.3	75	125	18.15	2.59	20	S
Thallium	17.366	1.0	25.06	0	69.3	75	125	16.85	3.01	20	S
Vanadium	61.898	1.0	25.06	39.39	89.8	75	125	56.81	8.57	20	
Zinc	69.260	1.0	25.06	50.09	76.5	75	125	67.29	2.88	20	B

Sample ID: <b>N011009-054A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648420</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	12.717	1.0						16.09	23.4	20	R
Barium	108.090	1.0						102.5	5.33	20	
Beryllium	0.267	1.0						0.2448	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	21.250	1.0						20.95	1.44	20	
Cobalt	8.516	1.0						8.200	3.77	20	
Copper	24.746	2.0						24.96	0.846	20	
Lead	13.570	1.0						11.73	14.5	20	
Molybdenum	0.404	1.0						0.4047	0	20	
Nickel	14.701	1.0						14.97	1.82	20	
Selenium	2.647	1.0						2.385	10.4	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	36.429	1.0						34.47	5.53	20	
Zinc	80.910	1.0						79.81	1.36	20	B

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 6010\_S

Sample ID: <b>N011009-085A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43923</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648432</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.429	2.0	25.01	0	25.7	75	125				S
Arsenic	23.174	1.0	25.01	3.556	78.4	75	125				
Barium	170.389	1.0	25.01	149.9	81.8	75	125				
Beryllium	20.722	1.0	25.01	0.3103	81.6	75	125				
Cadmium	19.298	1.0	25.01	0	77.2	75	125				
Chromium	54.191	1.0	25.01	27.36	107	75	125				
Cobalt	30.246	1.0	25.01	9.940	81.2	75	125				
Copper	40.399	2.0	25.01	17.43	91.8	75	125				
Lead	49.875	1.0	25.01	28.83	84.1	75	125				
Molybdenum	18.424	1.0	25.01	0	73.7	75	125				S
Nickel	50.008	1.0	25.01	24.63	101	75	125				
Selenium	18.338	1.0	25.01	0.8992	69.7	75	125				S
Silver	18.716	1.0	25.01	0	74.8	75	125				S
Thallium	17.813	1.0	25.01	0	71.2	75	125				S
Vanadium	55.620	1.0	25.01	31.04	98.3	75	125				
Zinc	71.515	1.0	25.01	48.10	93.6	75	125				B

Sample ID: <b>N011009-086A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90388</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43923</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648434</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	8.364	1.0						8.476	1.33	20	
Barium	153.402	1.0						146.9	4.31	20	
Beryllium	0.288	1.0						0.2667	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	33.921	1.0						39.37	14.9	20	
Cobalt	8.482	1.0						10.71	23.2	20	R
Copper	61.809	2.0						63.90	3.33	20	
Lead	88.228	1.0						1895	182	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011009-086A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90388</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43923</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648434</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	0.220	1.0						0.2154	0	20	
Nickel	32.236	1.0						42.63	27.8	20	R
Selenium	1.033	1.0						1.569	41.2	20	R
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	28.619	1.0						30.21	5.40	20	
Zinc	111.120	1.0						126.4	12.9	20	B

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-43905</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90399</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648901</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>MB2-43905</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90399</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648902</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>LCS-43905</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90399</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 24.219 5.0 25.00 0 96.9 80 120

Sample ID: <b>N011009-003A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90399</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648908</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 29.086 5.0 24.95 12.40 66.9 75 125 S

Sample ID: <b>N011009-003A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90399</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648909</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 33.401 5.0 25.03 12.40 83.9 75 125 29.09 13.8 20

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>N011009-020A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90399</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648922</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21.008	5.0						21.88	4.07	20	

Sample ID: <b>N011009-020A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43905</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649188</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.705	5.0	24.95	21.88	108	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-43914</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>MB2-43914</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>LCS-43914</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649204</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 25.913 5.0 25.00 0 104 80 120

Sample ID: <b>N011009-038A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649208</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 162.571 5.0 24.88 159.4 12.9 75 125 S

Sample ID: <b>N011009-038A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649214</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 203.822 5.0 24.93 159.4 178 75 125 162.6 22.5 20 SR

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>N011009-039A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649216</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	135.414	5.0						119.9	12.2	20	

Sample ID: <b>N011009-052A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649228</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	108.829	5.0	25.03	71.67	148	75	125				S

Sample ID: <b>N011009-053A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43914</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649230</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.351	5.0						29.45	75.2	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>MB-43922</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649243</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>MB2-43922</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649244</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: <b>LCS-43922</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649245</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 26.222 5.0 25.00 0 105 80 120

Sample ID: <b>N011009-064A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649249</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 66.994 5.0 25.08 57.74 36.9 75 125 S

Sample ID: <b>N011009-064A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649252</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 63.510 5.0 24.94 57.74 23.1 75 125 66.99 5.34 20 S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_SPB**

Sample ID: <b>N011009-066A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649254</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.859	5.0						14.02	1.18	20	

Sample ID: <b>N011009-078A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649268</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	48.844	5.0	25.03	21.39	110	75	125				

Sample ID: <b>N011009-082A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90417</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43922</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649270</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	47.732	5.0						47.39	0.727	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7196\_S**

Sample ID: <b>N011009-081A-MS_I</b>	SampType: <b>MS</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90401</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43908</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648965</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	496.714	20	740.0	0	67.1	80	120				S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>LCS-43890</b>	SampType: <b>LCS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647294</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.458	0.10	0.4153	0	110	80	120				

Sample ID: <b>MB1-43890</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647297</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.099									

Sample ID: <b>MB2-43890</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647299</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: <b>N011008-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647303</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.376	0.099						0.4264	12.5	20	

Sample ID: <b>N011008-002A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647304</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.797	0.098	0.4099	0.4264	90.5	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>N011008-002A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647305</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.848	0.099	0.4105	0.4264	103	75	125	0.7972	6.15	20	

Sample ID: <b>N011008-026A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647316</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.193	0.10						0.1381	33.4	20	R

Sample ID: <b>N011008-026A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43890</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647317</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.614	0.098	0.4099	0.1381	116	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>LCS-43891</b>	SampType: <b>LCS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647295</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.443 0.099 0.4105 0 108 80 120

Sample ID: <b>MB1-43891</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647298</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.10

Sample ID: <b>MB2-43891</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647300</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.10

Sample ID: <b>N011009-015A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647328</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.042 0.10 0.03433 0 20

Sample ID: <b>N011009-015A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647329</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.503 0.10 0.4181 0.03433 112 75 125

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>N011009-015A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647330</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.513	0.10	0.4160	0.03433	115	75	125	0.5033	1.81	20	

Sample ID: <b>N011009-047A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647341</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.135	0.10						0.1336	0.709	20	

Sample ID: <b>N011009-047A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43891</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647342</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.620	0.10	0.4238	0.1336	115	75	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>LCS-43892</b>	SampType: <b>LCS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43892</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647296</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.451	0.10	0.4146	0	109	80	120				

Sample ID: <b>MB-43892</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43892</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647301</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.099									

Sample ID: <b>N011009-080A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43892</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647353</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.297	0.10						0.2988	0.611	20	

Sample ID: <b>N011009-080A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43892</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647354</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.657	0.099	0.4126	0.2988	86.8	75	125				

Sample ID: <b>N011009-080A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43892</b>	TestNo: <b>EPA 7471A</b>	<b>EPA 7471</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647355</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.750	0.10	0.4195	0.2988	107	75	125	0.6568	13.2	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>LCS-43899</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647551</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	57.888	1.0	83.30	0	69.5	52	126				
Surr: p-Terphenyl	5.922		6.670		88.8	59	127				

Sample ID: <b>MB1-43899</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647552</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	6.525		6.670		97.8	59	127				

Sample ID: <b>N011008-024A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647557</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	50.150	1.0						31.45	45.8	20	R
ORO	109.747	1.0						82.06	28.9	20	R
Surr: p-Terphenyl	6.459		6.679		96.7	59	127		0		

Sample ID: <b>N011008-025A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647564</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	54.529	1.0	83.49	13.37	49.3	13	129				
Surr: p-Terphenyl	6.015		6.686		90.0	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>N011008-025A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90363</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647565</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	45.626	1.0	83.13	13.37	38.8	13	129	54.53	17.8	20	
Surr: p-Terphenyl	4.894		6.657		73.5	59	127		0		

Sample ID: <b>MB2-43899</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90386</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648155</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	6.572		6.670		98.5	59	127				

Sample ID: <b>N011009-014A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90386</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648161</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	71.061	5.0						52.79	29.5	20	R
ORO	256.483	5.0						189.4	30.1	20	R
Surr: p-Terphenyl	5.739		6.688		85.8	59	127		0		

Sample ID: <b>N011009-009A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90386</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43899</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648167</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	80.690	5.0	83.52	51.86	34.5	13	129				
Surr: p-Terphenyl	5.828		6.688		87.2	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>LCS-43915</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648168</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	64.230	1.0	83.30	0	77.1	52	126				
Surr: p-Terphenyl	6.741		6.670		101	59	127				

Sample ID: <b>MB1-43915</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648169</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	6.464		6.670		96.9	59	127				

Sample ID: <b>N011009-029A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648172</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	71.395	5.0						68.01	4.85	20	
ORO	213.418	5.0						210.9	1.20	20	
Surr: p-Terphenyl	6.491		6.688		97.1	59	127		0		

Sample ID: <b>N011009-024A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648181</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	81.049	5.0	83.22	15.06	79.3	13	129				
Surr: p-Terphenyl	6.610		6.663		99.2	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>N011009-024A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648182</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	75.422	5.0	83.36	15.06	72.4	13	129	81.05	7.19	20	
Surr: p-Terphenyl	6.112		6.674		91.6	59	127		0		

Sample ID: <b>MB2-43915</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648183</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	6.505		6.670		97.5	59	127				

Sample ID: <b>N011009-049A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648185</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	12.533	1.0						5.043	85.2	20	R
ORO	24.383	1.0						10.56	79.1	20	R
Surr: p-Terphenyl	5.555		6.690		83.0	59	127		0		

Sample ID: <b>N011009-049A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90387</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43915</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648195</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	70.627	1.0	83.52	5.043	78.5	13	129				
Surr: p-Terphenyl	5.736		6.688		85.8	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>LCS-43921</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648268</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	64.017	1.0	83.30	0	76.9	52	126				
Surr: p-Terphenyl	6.255		6.670		93.8	59	127				

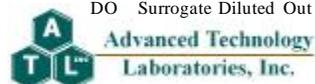
Sample ID: <b>MB1-43921</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648269</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	5.745		6.670		86.1	59	127				

Sample ID: <b>N011009-075A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648272</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	64.361	5.0						77.60	18.6	20	
ORO	194.634	5.0						235.2	18.9	20	
Surr: p-Terphenyl	6.277		6.690		93.8	59	127		0		

Sample ID: <b>MB2-43921</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648281</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	5.651		6.670		84.7	59	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>N011009-088A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648283</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	88.628	5.0						89.43	0.898	20	
ORO	221.711	5.0						228.7	3.12	20	
Surr: p-Terphenyl	5.308		6.672		79.5	59	127		0		

Sample ID: <b>N011009-088A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648293</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	133.731	5.0	83.30	89.43	53.2	13	129				
Surr: p-Terphenyl	4.415		6.670		66.2	59	127				

Sample ID: <b>N011009-075A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648294</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	91.503	5.0	83.02	77.60	16.8	13	129				
Surr: p-Terphenyl	4.314		6.648		64.9	59	127				

Sample ID: <b>N011009-075A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90389</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43921</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648295</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	114.270	5.0	83.16	77.60	44.1	13	129	91.50	22.1	20	R
Surr: p-Terphenyl	5.016		6.659		75.3	59	127		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>E130918LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647064</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.652	1.0	5.000	0	113	77	122				
Surr: Chlorobenzene - d5	111.588		100.0		112	51	136				

Sample ID: <b>E130918MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647065</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.068	1.0									
Surr: Chlorobenzene - d5	100.835		100.0		101	51	136				

Sample ID: <b>N011008-020ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647067</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.057	1.0						0.05700	0	20	
Surr: Chlorobenzene - d5	105.580		100.0		106	51	136		0		

Sample ID: <b>N011009-016AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647073</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

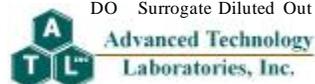
GRO	5.440	1.0	5.000	0.04900	108	41	132				
Surr: Chlorobenzene - d5	101.718		100.0		102	51	136				

Sample ID: <b>N011009-016AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647074</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.677	1.0	5.000	0.04900	113	41	132	5.440	4.26	20	
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**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>N011009-016AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647074</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Chlorobenzene - d5	103.733		100.0		104	51	136			0	

Sample ID: <b>E130918MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647269</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.073	1.0									
Surr: Chlorobenzene - d5	99.174		100.0		99.2	51	136				

Sample ID: <b>N011009-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647270</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.770	1.0	5.000	0.07000	94.0	41	132				
Surr: Chlorobenzene - d5	104.914		100.0		105	51	136				

Sample ID: <b>N011009-015ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90340</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS096</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647273</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.070	1.0						0.07200	0	20	
Surr: Chlorobenzene - d5	94.736		100.0		94.7	51	136		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>E130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647764</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.753	1.0	5.000	0	115	77	122				
Surr: Chlorobenzene - d5	106.041		100.0		106	51	136				

Sample ID: <b>E130919MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647765</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.069	1.0									
Surr: Chlorobenzene - d5	103.033		100.0		103	51	136				

Sample ID: <b>N011009-040ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647768</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.058	1.0						0.05800	0	20	
Surr: Chlorobenzene - d5	96.128		100.0		96.1	51	136		0		

Sample ID: <b>N011009-079AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647772</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

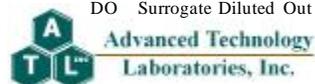
GRO	4.903	1.0	5.000	0.05600	96.9	41	132				
Surr: Chlorobenzene - d5	91.996		100.0		92.0	51	136				

Sample ID: <b>N011009-079AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647773</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.936	1.0	5.000	0.05600	97.6	41	132	4.903	0.671	20	
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**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>N011009-079AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647773</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Chlorobenzene - d5	92.406	100.0	92.4	51	136	0
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Sample ID: <b>E130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647784</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.049	1.0				
Surr: Chlorobenzene - d5	110.727	100.0	111	51	136	

Sample ID: <b>N011009-052AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647786</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.152	1.0	5.000	0.08300	101	41	132
Surr: Chlorobenzene - d5	96.968	100.0			97.0	51	136

Sample ID: <b>N011009-053ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90367</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS097</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647788</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.056	1.0					0.07100	0	20
Surr: Chlorobenzene - d5	104.606	100.0	105	51	136			0	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>E130920LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90375</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E13VS098</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1647885</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.626	1.0	5.000	0	113	77	122				
Surr: Chlorobenzene - d5	106.282		100.0		106	51	136				

Sample ID: <b>E130920MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90375</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E13VS098</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1647886</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.069	1.0									
Surr: Chlorobenzene - d5	97.689		100.0		97.7	51	136				

Sample ID: <b>N011009-085AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS098</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1647891</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.860	1.0	5.000	0.05500	96.1	41	132				
Surr: Chlorobenzene - d5	97.249		100.0		97.2	51	136				

Sample ID: <b>N011009-085AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS098</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1647892</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.198	1.0	5.000	0.05500	103	41	132	4.860	6.72	20	
Surr: Chlorobenzene - d5	97.955		100.0		98.0	51	136		0		

Sample ID: <b>N011009-071ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS098</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1647925</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.068	1.0						0.05300	0	20	
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**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>N011009-071ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>90375</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E13VS098</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1647925</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Chlorobenzene - d5	85.962		100.0		86.0	51	136		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011008-009A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648762</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.832	2.0						0.4177	0	30	
4,4'-DDE	3.682	2.0						4.054	9.62	30	
4,4'-DDT	8.730	2.0						5.921	38.3	30	R
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	0.938	1.0						0.7618	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0.3170	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	0.722	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	0.914	1.0						0.6903	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	8.805		16.68		52.8	28	161		0	0	
Surr: Decachlorobiphenyl	9.992		16.68		59.9	28	120		0	0	

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648768</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648768</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	8.179		16.67		49.1	28	161				
Surr: Decachlorobiphenyl	12.959		16.67		77.7	28	120				

Sample ID: <b>N011009-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648774</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.219	2.0						0.4890	0	30	
4,4'-DDE	0.327	2.0						0.4689	0	30	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

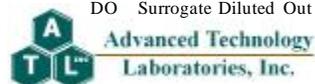
**TestCode: 8081SOIL**

Sample ID: <b>N011009-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648774</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	1.080	2.0						1.241	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	0.286	1.0						0.4360	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	1.323	1.0						0.4346	101	30	R
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	7.031		16.66		42.2	28	161		0	0	
Surr: Decachlorobiphenyl	6.914		16.66		41.5	28	120		0	0	

Sample ID: <b>LCS-43887_OCP</b>	SampType: <b>LCS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648780</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	17.716	2.0	16.67	0	106	57	143				
4,4'-DDE	17.687	2.0	16.67	0	106	54	137				
4,4'-DDT	18.187	2.0	16.67	0	109	57	148				

**Qualifiers:**

- |   |  |  |
|---|--|--|
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| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>LCS-43887_OCP</b>	SampType: <b>LCS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648780</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	14.516	1.0	16.67	0	87.1	44	115				
alpha-BHC	14.827	1.0	16.67	0	88.9	40	130				
alpha-Chlordane	16.516	1.0	16.67	0	99.1	49	142				
beta-BHC	15.215	1.0	16.67	0	91.3	44	127				
delta-BHC	10.781	1.0	16.67	0	64.7	50	144				
Dieldrin	17.078	2.0	16.67	0	102	59	135				
Endosulfan I	15.645	1.0	16.67	0	93.8	53	121				
Endosulfan II	17.348	2.0	16.67	0	104	60	137				
Endosulfan sulfate	15.186	2.0	16.67	0	91.1	72	145				
Endrin	22.978	2.0	16.67	0	138	53	148				
Endrin aldehyde	14.282	2.0	16.67	0	85.7	53	131				
Endrin ketone	14.852	2.0	16.67	0	89.1	55	139				
gamma-BHC	14.885	1.0	16.67	0	89.3	37	134				
gamma-Chlordane	16.956	1.0	16.67	0	102	51	131				
Heptachlor	18.068	1.0	16.67	0	108	36	138				
Heptachlor epoxide	16.311	1.0	16.67	0	97.8	50	127				
Methoxychlor	18.987	8.5	16.67	0	114	56	144				
Surr: Tetrachloro-m-xylene	10.383		16.67		62.3	28	161				
Surr: Decachlorobiphenyl	12.678		16.67		76.1	28	120				

Sample ID: <b>MB1-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648781</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
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**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>MB1-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648781</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	7.601		16.67		45.6	28	161				
Surr: Decachlorobiphenyl	12.104		16.67		72.6	28	120				

Sample ID: <b>N011008-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648783</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	19.736	2.0	16.69	0	118	31	162				
4,4'-DDE	15.232	2.0	16.69	0	91.3	33	165				
4,4'-DDT	5.584	2.0	16.69	0	33.5	17	180				
Aldrin	13.358	1.0	16.69	0	80.0	36	141				
alpha-BHC	12.584	1.0	16.69	0	75.4	23	149				
alpha-Chlordane	13.776	1.0	16.69	0	82.5	24	175				
beta-BHC	15.255	1.0	16.69	0	91.4	38	145				

**Qualifiers:**

- |   |  |  |
|---|--|--|
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| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8081SOIL

Sample ID: N011008-001A-MS		SampType: MS		TestCode: 8081SOIL		Units: µg/Kg		Prep Date: 9/17/2013		RunNo: 90395	
Client ID: ZZZZZZ		Batch ID: 43887		TestNo: EPA 8081A		EPA 3550B		Analysis Date: 9/20/2013		SeqNo: 1648783	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
delta-BHC	9.761	1.0	16.69	0	58.5	36	166				
Dieldrin	14.546	2.0	16.69	0	87.1	24	172				
Endosulfan I	13.515	1.0	16.69	0	81.0	36	138				
Endosulfan II	13.753	2.0	16.69	0	82.4	27	166				
Endosulfan sulfate	11.593	2.0	16.69	0	69.5	49	157				
Endrin	18.083	2.0	16.69	0	108	25	180				
Endrin aldehyde	8.886	2.0	16.69	0	53.2	29	146				
Endrin ketone	9.792	2.0	16.69	0	58.7	30	155				
gamma-BHC	12.558	1.0	16.69	0	75.2	32	143				
gamma-Chlordane	14.528	1.0	16.69	0	87.0	40	172				
Heptachlor	14.648	1.0	16.69	0	87.8	33	145				
Heptachlor epoxide	14.274	1.0	16.69	0	85.5	40	153				
Methoxychlor	48.845	8.5	16.69	0	293	23	164				S
Surr: Tetrachloro-m-xylene	8.987		16.69		53.8	28	161				
Surr: Decachlorobiphenyl	10.512		16.69		63.0	28	120				

Sample ID: N011008-001A-MSD		SampType: MSD		TestCode: 8081SOIL		Units: µg/Kg		Prep Date: 9/17/2013		RunNo: 90395	
Client ID: ZZZZZZ		Batch ID: 43887		TestNo: EPA 8081A		EPA 3550B		Analysis Date: 9/20/2013		SeqNo: 1648784	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	20.570	2.0	16.67	0	123	31	162	19.74	4.14	30	
4,4'-DDE	15.579	2.0	16.67	0	93.5	33	165	15.23	2.25	30	
4,4'-DDT	5.929	2.0	16.67	0	35.6	17	180	5.584	6.01	30	
Aldrin	13.381	1.0	16.67	0	80.3	36	141	13.36	0.171	30	
alpha-BHC	12.314	1.0	16.67	0	73.9	23	149	12.58	2.16	30	
alpha-Chlordane	13.934	1.0	16.67	0	83.6	24	175	13.78	1.14	30	
beta-BHC	16.175	1.0	16.67	0	97.0	38	145	15.26	5.85	30	
delta-BHC	9.884	1.0	16.67	0	59.3	36	166	9.761	1.25	30	
Dieldrin	14.842	2.0	16.67	0	89.0	24	172	14.55	2.01	30	
Endosulfan I	13.605	1.0	16.67	0	81.6	36	138	13.52	0.657	30	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011008-001A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8081SOIL</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90395</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43887</b>		TestNo: <b>EPA 8081A</b>		<b>EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648784</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	14.622	2.0	16.67	0	87.7	27	166	13.75	6.12	30	
Endosulfan sulfate	12.139	2.0	16.67	0	72.8	49	157	11.59	4.60	30	
Endrin	18.852	2.0	16.67	0	113	25	180	18.08	4.16	30	
Endrin aldehyde	9.635	2.0	16.67	0	57.8	29	146	8.886	8.09	30	
Endrin ketone	10.165	2.0	16.67	0	61.0	30	155	9.792	3.73	30	
gamma-BHC	12.354	1.0	16.67	0	74.1	32	143	12.56	1.64	30	
gamma-Chlordane	14.918	1.0	16.67	0	89.5	40	172	14.53	2.65	30	
Heptachlor	14.334	1.0	16.67	0	86.0	33	145	14.65	2.17	30	
Heptachlor epoxide	14.429	1.0	16.67	0	86.6	40	153	14.27	1.08	30	
Methoxychlor	7.157	8.5	16.67	0	42.9	23	164	48.84	0	30	
Surr: Tetrachloro-m-xylene	8.542		16.67		51.2	28	161		0		
Surr: Decachlorobiphenyl	9.847		16.67		59.1	28	120		0		

Sample ID: <b>N011009-006A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8081SOIL</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/17/2013</b>		RunNo: <b>90395</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43887</b>		TestNo: <b>EPA 8081A</b>		<b>EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>		SeqNo: <b>1648785</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	23.792	2.0	16.62	0.4890	140	31	162				
4,4'-DDE	14.503	2.0	16.62	0.4689	84.4	33	165				
4,4'-DDT	11.180	2.0	16.62	1.241	59.8	17	180				
Aldrin	12.303	1.0	16.62	0	74.0	36	141				
alpha-BHC	11.774	1.0	16.62	0	70.8	23	149				
alpha-Chlordane	26.155	1.0	16.62	0.4360	155	24	175				
beta-BHC	19.322	1.0	16.62	0	116	38	145				
delta-BHC	7.757	1.0	16.62	0	46.7	36	166				
Dieldrin	16.984	2.0	16.62	0	102	24	172				
Endosulfan I	10.813	1.0	16.62	0	65.1	36	138				
Endosulfan II	12.587	2.0	16.62	0	75.7	27	166				
Endosulfan sulfate	12.596	2.0	16.62	0	75.8	49	157				
Endrin	16.020	2.0	16.62	0	96.4	25	180				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011009-006A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90395</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648785</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin aldehyde	7.797	2.0	16.62	0	46.9	29	146				
Endrin ketone	8.089	2.0	16.62	0	48.7	30	155				
gamma-BHC	11.941	1.0	16.62	0	71.8	32	143				
gamma-Chlordane	13.966	1.0	16.62	0.4346	81.4	40	172				
Heptachlor	12.222	1.0	16.62	0	73.5	33	145				
Heptachlor epoxide	12.325	1.0	16.62	0	74.2	40	153				
Methoxychlor	7.472	8.5	16.62	0	45.0	23	164				
Surr: Tetrachloro-m-xylene	10.760		16.62		64.7	28	161				
Surr: Decachlorobiphenyl	10.688		16.62		64.3	28	120				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>LCS-43900_OCP</b>	SampType: <b>LCS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>
Client ID: <b>LCSS</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648840</b>

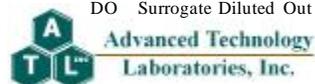
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	15.960	2.0	16.67	0	95.7	57	143				
4,4'-DDE	15.670	2.0	16.67	0	94.0	54	137				
4,4'-DDT	15.638	2.0	16.67	0	93.8	57	148				
Aldrin	13.214	1.0	16.67	0	79.3	44	115				
alpha-BHC	12.971	1.0	16.67	0	77.8	40	130				
alpha-Chlordane	14.598	1.0	16.67	0	87.6	49	142				
beta-BHC	13.457	1.0	16.67	0	80.7	44	127				
delta-BHC	9.231	1.0	16.67	0	55.4	50	144				
Dieldrin	15.184	2.0	16.67	0	91.1	59	135				
Endosulfan I	13.895	1.0	16.67	0	83.4	53	121				
Endosulfan II	15.564	2.0	16.67	0	93.4	60	137				
Endosulfan sulfate	13.361	2.0	16.67	0	80.2	72	145				
Endrin	20.390	2.0	16.67	0	122	53	148				
Endrin aldehyde	11.988	2.0	16.67	0	71.9	53	131				
Endrin ketone	12.703	2.0	16.67	0	76.2	55	139				
gamma-BHC	12.981	1.0	16.67	0	77.9	37	134				
gamma-Chlordane	14.987	1.0	16.67	0	89.9	51	131				
Heptachlor	15.942	1.0	16.67	0	95.6	36	138				
Heptachlor epoxide	14.360	1.0	16.67	0	86.1	50	127				
Methoxychlor	16.313	8.5	16.67	0	97.9	56	144				
Surr: Tetrachloro-m-xylene	10.202		16.67		61.2	28	161				
Surr: Decachlorobiphenyl	11.439		16.67		68.6	28	120				

Sample ID: <b>MB-43900</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>
Client ID: <b>PBS</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648841</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>MB-43900</b>	SampType: <b>MBLK</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648841</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	10.245		16.67		61.5	28	161				
Surr: Decachlorobiphenyl	11.511		16.67		69.1	28	120				

Sample ID: <b>N011009-057A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648929</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	1.193	2.0						0.7870	0	30	
4,4'-DDE	0.345	2.0						0.3272	0	30	
4,4'-DDT	0.360	2.0						0.2950	0	30	
Aldrin	ND	1.0						0	0	30	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

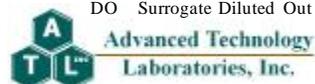
TestCode: 8081SOIL

Sample ID: <b>N011009-057A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648929</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	0.984	1.0						0.6116	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	0.895	2.0						0.7447	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	0.660	1.0						0.4520	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	0.181	1.0						0.1134	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	9.962		16.63		59.9	28	161		0	0	
Surr: Decachlorobiphenyl	9.740		16.63		58.6	28	120		0	0	

Sample ID: <b>N011009-061A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648937</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	17.899	2.0	16.66	0.2807	106	31	162				
4,4'-DDE	13.609	2.0	16.66	0.5192	78.6	33	165				
4,4'-DDT	2.069	2.0	16.66	0.2790	10.7	17	180				S
Aldrin	12.380	1.0	16.66	0	74.3	36	141				
alpha-BHC	12.106	1.0	16.66	0	72.6	23	149				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011009-061A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648937</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-Chlordane	18.344	1.0	16.66	9.345	54.0	24	175				
beta-BHC	12.003	1.0	16.66	0	72.0	38	145				
delta-BHC	8.374	1.0	16.66	0	50.3	36	166				
Dieldrin	13.056	2.0	16.66	0.8526	73.2	24	172				
Endosulfan I	12.218	1.0	16.66	0	73.3	36	138				
Endosulfan II	11.763	2.0	16.66	0	70.6	27	166				
Endosulfan sulfate	9.241	2.0	16.66	0	55.5	49	157				
Endrin	13.662	2.0	16.66	0	82.0	25	180				
Endrin aldehyde	7.934	2.0	16.66	0	47.6	29	146				
Endrin ketone	5.699	2.0	16.66	0	34.2	30	155				
gamma-BHC	10.384	1.0	16.66	0	62.3	32	143				
gamma-Chlordane	17.848	1.0	16.66	7.083	64.6	40	172				
Heptachlor	8.010	1.0	16.66	0	48.1	33	145				
Heptachlor epoxide	13.180	1.0	16.66	0.7870	74.4	40	153				
Methoxychlor	ND	8.5	16.66	0	0	23	164				S
Surr: Tetrachloro-m-xylene	10.358		16.66		62.2	28	161				
Surr: Decachlorobiphenyl	9.164		16.66		55.0	28	120				

Sample ID: <b>N011009-061A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648938</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	19.175	2.0	16.61	0.2807	114	31	162	17.90	6.89	30	
4,4'-DDE	13.544	2.0	16.61	0.5192	78.4	33	165	13.61	0.480	30	
4,4'-DDT	2.365	2.0	16.61	0.2790	12.6	17	180	2.069	13.4	30	S
Aldrin	13.169	1.0	16.61	0	79.3	36	141	12.38	6.18	30	
alpha-BHC	13.036	1.0	16.61	0	78.5	23	149	12.11	7.40	30	
alpha-Chlordane	14.401	1.0	16.61	9.345	30.4	24	175	18.34	24.1	30	
beta-BHC	11.615	1.0	16.61	0	69.9	38	145	12.00	3.29	30	
delta-BHC	7.952	1.0	16.61	0	47.9	36	166	8.374	5.17	30	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8081SOIL**

Sample ID: <b>N011009-061A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8081SOIL</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90397</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8081A</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648938</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	13.500	2.0	16.61	0.8526	76.1	24	172	13.06	3.34	30	
Endosulfan I	11.935	1.0	16.61	0	71.8	36	138	12.22	2.35	30	
Endosulfan II	11.696	2.0	16.61	0	70.4	27	166	11.76	0.566	30	
Endosulfan sulfate	8.979	2.0	16.61	0	54.0	49	157	9.241	2.87	30	
Endrin	13.133	2.0	16.61	0	79.0	25	180	13.66	3.95	30	
Endrin aldehyde	7.515	2.0	16.61	0	45.2	29	146	7.934	5.42	30	
Endrin ketone	5.437	2.0	16.61	0	32.7	30	155	5.699	4.71	30	
gamma-BHC	10.804	1.0	16.61	0	65.0	32	143	10.38	3.96	30	
gamma-Chlordane	14.995	1.0	16.61	7.083	47.6	40	172	17.85	17.4	30	
Heptachlor	8.033	1.0	16.61	0	48.3	33	145	8.010	0.281	30	
Heptachlor epoxide	12.960	1.0	16.61	0.7870	73.3	40	153	13.18	1.68	30	
Methoxychlor	2.745	8.5	16.61	0	16.5	23	164	0	0	30	S
Surr: Tetrachloro-m-xylene	11.998		16.61		72.2	28	161		0		
Surr: Decachlorobiphenyl	9.485		16.61		57.1	28	120		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

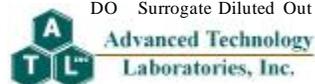
Sample ID: <b>LCS-43887_PCB</b>	SampType: <b>LCS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646715</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	137.466	16	166.7	0	82.5	56	121				
Aroclor 1260	147.104	16	166.7	0	88.3	62	121				
Surr: Decachlorobiphenyl	14.700		16.67		88.2	40	146				
Surr: Tetrachloro-m-xylene	9.273		16.67		55.6	32	109				

Sample ID: <b>MB1-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646716</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	14.824		16.67		88.9	40	146				
Surr: Tetrachloro-m-xylene	7.838		16.67		47.0	32	109				

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646717</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

Sample ID: <b>MB2-43887</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1646717</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	13.544		16.67		81.2	40	146				
Surr: Tetrachloro-m-xylene	7.665		16.67		46.0	32	109				

Sample ID: <b>N011008-009A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647184</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	17						0	0	20	
Aroclor 1221	ND	33						0	0	20	
Aroclor 1232	ND	17						0	0	20	
Aroclor 1242	ND	17						0	0	20	
Aroclor 1248	ND	17						0	0	20	
Aroclor 1254	ND	17						0	0	20	
Aroclor 1260	ND	17						0	0	20	
Surr: Decachlorobiphenyl	12.160		16.68		72.9	40	146		0		
Surr: Tetrachloro-m-xylene	11.834		16.68		71.0	32	109		0		

Sample ID: <b>N011009-006A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647193</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16						0	0	20	
Aroclor 1221	ND	33						0	0	20	
Aroclor 1232	ND	16						0	0	20	
Aroclor 1242	ND	16						0	0	20	
Aroclor 1248	ND	16						0	0	20	
Aroclor 1254	ND	16						0	0	20	
Aroclor 1260	ND	16						0	0	20	
Surr: Decachlorobiphenyl	7.771		16.66		46.6	40	146		0		
Surr: Tetrachloro-m-xylene	7.289		16.66		43.8	32	109		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

Sample ID: <b>N011008-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647202</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	178.525	17	166.9	0	107	43	142				
Aroclor 1260	145.982	17	166.9	0	87.5	34	146				
Surr: Decachlorobiphenyl	15.144		16.69		90.7	40	146				
Surr: Tetrachloro-m-xylene	11.894		16.69		71.3	32	109				

Sample ID: <b>N011008-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647203</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	151.696	16	166.7	0	91.0	43	142	178.5	16.2	20	
Aroclor 1260	131.449	16	166.7	0	78.9	34	146	146.0	10.5	20	
Surr: Decachlorobiphenyl	10.302		16.67		61.8	40	146		0		
Surr: Tetrachloro-m-xylene	7.742		16.67		46.4	32	109		0		

Sample ID: <b>N011009-006A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/17/2013</b>	RunNo: <b>90330</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43887</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647205</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	124.342	16	166.2	0	74.8	43	142				
Aroclor 1260	92.394	16	166.2	0	55.6	34	146				
Surr: Decachlorobiphenyl	8.766		16.62		52.7	40	146				
Surr: Tetrachloro-m-xylene	9.060		16.62		54.5	32	109				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

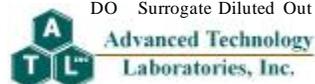
Sample ID: <b>LCS-43900_PCB</b>	SampType: <b>LCS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90364</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647648</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	134.743	16	166.7	0	80.8	56	121				
Aroclor 1260	138.819	16	166.7	0	83.3	62	121				
Surr: Decachlorobiphenyl	13.382		16.67		80.3	40	146				
Surr: Tetrachloro-m-xylene	10.244		16.67		61.5	32	109				

Sample ID: <b>MB-43900</b>	SampType: <b>MBLK</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90364</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647649</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	13.938		16.67		83.6	40	146				
Surr: Tetrachloro-m-xylene	10.863		16.67		65.2	32	109				

Sample ID: <b>N011009-057A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90364</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647652</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16						0	0	20	
Aroclor 1221	ND	33						0	0	20	
Aroclor 1232	ND	16						0	0	20	
Aroclor 1242	ND	16						0	0	20	
Aroclor 1248	ND	16						0	0	20	
Aroclor 1254	ND	16						0	0	20	
Aroclor 1260	ND	16						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082\_S**

Sample ID: <b>N011009-057A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90364</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647652</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	12.921		16.63		77.7	40	146		0		
Surr: Tetrachloro-m-xylene	12.856		16.63		77.3	32	109		0		

Sample ID: <b>N011009-056A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90364</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647660</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150.753	17	166.8	0	90.4	43	142				
Aroclor 1260	127.713	17	166.8	0	76.6	34	146				
Surr: Decachlorobiphenyl	12.556		16.68		75.3	40	146				
Surr: Tetrachloro-m-xylene	13.270		16.68		79.6	32	109				

Sample ID: <b>N011009-056A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8082_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90364</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43900</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3550B</b>	Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647661</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	157.891	16	166.7	0	94.7	43	142	150.8	4.63	20	
Aroclor 1260	136.969	16	166.7	0	82.2	34	146	127.7	6.99	20	
Surr: Decachlorobiphenyl	13.044		16.67		78.2	40	146		0		
Surr: Tetrachloro-m-xylene	13.921		16.67		83.5	32	109		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

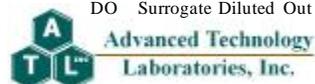
**TestCode: 8260SOIL**

Sample ID: <b>Q130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647897</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	37.390	5.0	40.00	0	93.5	80	123				
1,1,1-Trichloroethane	36.470	5.0	40.00	0	91.2	71	127				
1,1,2,2-Tetrachloroethane	36.360	5.0	40.00	0	90.9	80	120				
1,1,2-Trichloroethane	38.530	5.0	40.00	0	96.3	80	120				
1,1-Dichloroethane	37.780	5.0	40.00	0	94.4	80	120				
1,1-Dichloroethene	36.420	5.0	40.00	0	91.1	80	121				
1,1-Dichloropropene	36.580	5.0	40.00	0	91.4	74	131				
1,2,3-Trichlorobenzene	40.970	5.0	40.00	0	102	64	137				
1,2,3-Trichloropropane	39.190	5.0	40.00	0	98.0	75	120				
1,2,4-Trichlorobenzene	41.550	5.0	40.00	0	104	75	128				
1,2,4-Trimethylbenzene	38.140	5.0	40.00	0	95.4	73	128				
1,2-Dibromo-3-chloropropane	37.010	10	40.00	0	92.5	53	143				
1,2-Dibromoethane	37.960	5.0	40.00	0	94.9	74	124				
1,2-Dichlorobenzene	38.400	5.0	40.00	0	96.0	80	120				
1,2-Dichloroethane	39.380	5.0	40.00	0	98.4	70	139				
1,2-Dichloropropane	38.240	5.0	40.00	0	95.6	80	120				
1,3,5-Trimethylbenzene	36.750	5.0	40.00	0	91.9	76	126				
1,3-Dichlorobenzene	39.070	5.0	40.00	0	97.7	80	120				
1,3-Dichloropropane	37.710	5.0	40.00	0	94.3	80	120				
1,4-Dichlorobenzene	39.980	5.0	40.00	0	100	80	120				
2,2-Dichloropropane	38.430	5.0	40.00	0	96.1	72	135				
2-Chlorotoluene	36.850	5.0	40.00	0	92.1	79	120				
4-Chlorotoluene	37.930	5.0	40.00	0	94.8	80	120				
4-Isopropyltoluene	37.220	5.0	40.00	0	93.0	76	126				
Benzene	37.820	5.0	40.00	0	94.6	80	120				
Bromobenzene	38.050	5.0	40.00	0	95.1	80	120				
Bromodichloromethane	38.270	5.0	40.00	0	95.7	79	131				
Bromoform	39.570	5.0	40.00	0	98.9	80	120				
Bromomethane	38.780	5.0	40.00	0	97.0	43	179				
Carbon tetrachloride	36.280	5.0	40.00	0	90.7	80	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647897</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	38.310	5.0	40.00	0	95.8	80	120				
Chloroethane	37.110	5.0	40.00	0	92.8	32	181				
Chloroform	36.160	5.0	40.00	0	90.4	77	129				
Chloromethane	43.620	5.0	40.00	0	109	80	120				
cis-1,2-Dichloroethene	36.500	5.0	40.00	0	91.2	80	120				
cis-1,3-Dichloropropene	40.330	5.0	40.00	0	101	80	120				
Dibromochloromethane	37.470	5.0	40.00	0	93.7	80	122				
Dibromomethane	38.640	5.0	40.00	0	96.6	80	120				
Dichlorodifluoromethane	42.680	5.0	40.00	0	107	64	135				
Ethylbenzene	37.230	5.0	40.00	0	93.1	80	120				
Hexachlorobutadiene	36.810	5.0	40.00	0	92.0	69	132				
Isopropylbenzene	36.010	5.0	40.00	0	90.0	79	121				
m,p-Xylene	74.540	10	80.00	0	93.2	80	121				
Methylene chloride	38.700	5.0	40.00	0	96.8	74	123				
MTBE	36.930	5.0	40.00	0	92.3	56	140				
n-Butylbenzene	38.200	5.0	40.00	0	95.5	72	131				
n-Propylbenzene	36.890	5.0	40.00	0	92.2	79	122				
Naphthalene	38.370	5.0	40.00	0	95.9	69	126				
o-Xylene	37.570	5.0	40.00	0	93.9	80	120				
sec-Butylbenzene	36.000	5.0	40.00	0	90.0	74	127				
Styrene	37.420	5.0	40.00	0	93.6	80	120				
tert-Butylbenzene	35.870	5.0	40.00	0	89.7	75	125				
Tetrachloroethene	37.230	5.0	40.00	0	93.1	80	120				
Toluene	37.320	5.0	40.00	0	93.3	80	120				
trans-1,2-Dichloroethene	36.680	5.0	40.00	0	91.7	80	125				
Trichloroethene	37.870	5.0	40.00	0	94.7	80	120				
Trichlorofluoromethane	36.380	5.0	40.00	0	91.0	67	152				
Vinyl chloride	36.460	5.0	40.00	0	91.2	69	135				
Surr: 1,2-Dichloroethane-d4	46.230		50.00		92.5	63	139				
Surr: 4-Bromofluorobenzene	46.560		50.00		93.1	75	124				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647897</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	46.890		50.00		93.8	70	133				
Surr: Toluene-d8	47.340		50.00		94.7	80	123				

Sample ID: <b>N011008-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647899</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	38.580	5.0	40.00	0	96.5	58	149	37.06	4.02	20	
1,1,1-Trichloroethane	38.240	5.0	40.00	0	95.6	67	126	36.24	5.37	20	
1,1,2,2-Tetrachloroethane	37.130	5.0	40.00	0	92.8	18	193	34.91	6.16	20	
1,1,2-Trichloroethane	40.350	5.0	40.00	0	101	70	136	38.26	5.32	20	
1,1-Dichloroethane	39.980	5.0	40.00	0	100	65	134	37.64	6.03	20	
1,1-Dichloroethene	37.430	5.0	40.00	0	93.6	61	135	35.71	4.70	20	
1,1-Dichloropropene	35.880	5.0	40.00	0	89.7	68	125	34.44	4.10	20	
1,2,3-Trichlorobenzene	41.340	5.0	40.00	0	103	40	134	38.53	7.04	20	
1,2,3-Trichloropropane	36.250	5.0	40.00	0	90.6	38	167	34.20	5.82	20	
1,2,4-Trichlorobenzene	41.840	5.0	40.00	0	105	40	132	40.60	3.01	20	
1,2,4-Trimethylbenzene	37.300	5.0	40.00	0	93.3	58	123	36.13	3.19	20	
1,2-Dibromo-3-chloropropane	37.110	10	40.00	0	92.8	30	181	35.95	3.18	20	
1,2-Dibromoethane	40.750	5.0	40.00	0	102	67	139	37.89	7.27	20	
1,2-Dichlorobenzene	39.170	5.0	40.00	0	97.9	65	122	36.97	5.78	20	
1,2-Dichloroethane	40.480	5.0	40.00	0	101	63	149	39.11	3.44	20	
1,2-Dichloropropane	39.990	5.0	40.00	0	100	69	127	37.06	7.61	20	
1,3,5-Trimethylbenzene	36.010	5.0	40.00	0	90.0	58	122	34.64	3.88	20	
1,3-Dichlorobenzene	38.760	5.0	40.00	0	96.9	64	120	37.55	3.17	20	
1,3-Dichloropropane	39.550	5.0	40.00	0	98.9	64	141	37.77	4.60	20	
1,4-Dichlorobenzene	39.370	5.0	40.00	0	98.4	62	122	38.53	2.16	20	
2,2-Dichloropropane	40.440	5.0	40.00	0	101	62	138	39.20	3.11	20	
2-Chlorotoluene	36.300	5.0	40.00	0	90.8	59	124	34.95	3.79	20	
4-Chlorotoluene	37.130	5.0	40.00	0	92.8	60	123	36.24	2.43	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N011008-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647899</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	36.100	5.0	40.00	0	90.3	50	124	34.64	4.13	20	
Benzene	38.470	5.0	40.00	0	96.2	72	122	36.17	6.16	20	
Bromobenzene	38.520	5.0	40.00	0	96.3	64	129	36.92	4.24	20	
Bromodichloromethane	40.350	5.0	40.00	0	101	67	142	37.54	7.22	20	
Bromoform	41.180	5.0	40.00	0	103	35	192	39.16	5.03	20	
Bromomethane	51.960	5.0	40.00	0	130	62	150	39.37	27.6	20	R
Carbon tetrachloride	36.180	5.0	40.00	0	90.4	56	142	33.90	6.51	20	
Chlorobenzene	39.450	5.0	40.00	0	98.6	71	120	37.78	4.32	20	
Chloroethane	38.690	5.0	40.00	0	96.7	55	149	35.12	9.67	20	
Chloroform	39.680	5.0	40.00	0.9300	96.9	70	135	37.60	5.38	20	
Chloromethane	41.000	5.0	40.00	0	103	37	151	40.87	0.318	20	
cis-1,2-Dichloroethene	39.040	5.0	40.00	0	97.6	69	131	37.10	5.10	20	
cis-1,3-Dichloropropene	41.220	5.0	40.00	0	103	71	129	39.05	5.41	20	
Dibromochloromethane	39.780	5.0	40.00	0	99.4	53	161	39.06	1.83	20	
Dibromomethane	41.940	5.0	40.00	0	105	66	145	38.02	9.80	20	
Dichlorodifluoromethane	38.700	5.0	40.00	0	96.8	52	135	38.74	0.103	20	
Ethylbenzene	36.990	5.0	40.00	0	92.5	65	120	36.19	2.19	20	
Hexachlorobutadiene	35.250	5.0	40.00	0	88.1	22	135	34.00	3.61	20	
Isopropylbenzene	35.090	5.0	40.00	0	87.7	60	121	33.44	4.82	20	
m,p-Xylene	75.230	10	80.00	0	94.0	65	120	73.20	2.74	20	
Methylene chloride	39.050	5.0	40.00	0	97.6	55	138	40.67	4.06	20	
MTBE	41.530	5.0	40.00	0	104	64	149	38.97	6.36	20	
n-Butylbenzene	36.730	5.0	40.00	0	91.8	43	126	35.37	3.77	20	
n-Propylbenzene	35.610	5.0	40.00	0	89.0	56	122	34.25	3.89	20	
Naphthalene	38.690	5.0	40.00	0	96.7	48	139	37.10	4.20	20	
o-Xylene	38.190	5.0	40.00	0	95.5	67	118	37.29	2.38	20	
sec-Butylbenzene	34.490	5.0	40.00	0	86.2	50	123	33.60	2.61	20	
Styrene	38.770	5.0	40.00	0	96.9	57	129	37.53	3.25	20	
tert-Butylbenzene	35.420	5.0	40.00	0	88.6	54	121	33.99	4.12	20	
Tetrachloroethene	36.960	5.0	40.00	0	92.4	35	149	35.87	2.99	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N011008-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647899</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	37.980	5.0	40.00	0	95.0	68	120	35.98	5.41	20	
trans-1,2-Dichloroethene	38.120	5.0	40.00	0	95.3	62	139	36.60	4.07	20	
Trichloroethene	39.120	5.0	40.00	0	97.8	63	134	36.70	6.38	20	
Trichlorofluoromethane	37.980	5.0	40.00	0	95.0	34	179	36.09	5.10	20	
Vinyl chloride	38.820	5.0	40.00	0	97.0	57	136	40.95	5.34	20	
Surr: 1,2-Dichloroethane-d4	49.580		50.00		99.2	63	139		0		
Surr: 4-Bromofluorobenzene	47.030		50.00		94.1	75	124		0		
Surr: Dibromofluoromethane	49.160		50.00		98.3	70	133		0		
Surr: Toluene-d8	46.280		50.00		92.6	80	123		0		

Sample ID: <b>N011008-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647900</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	37.060	5.0	40.00	0	92.6	58	149				
1,1,1-Trichloroethane	36.240	5.0	40.00	0	90.6	67	126				
1,1,2,2-Tetrachloroethane	34.910	5.0	40.00	0	87.3	18	193				
1,1,2-Trichloroethane	38.260	5.0	40.00	0	95.7	70	136				
1,1-Dichloroethane	37.640	5.0	40.00	0	94.1	65	134				
1,1-Dichloroethene	35.710	5.0	40.00	0	89.3	61	135				
1,1-Dichloropropene	34.440	5.0	40.00	0	86.1	68	125				
1,2,3-Trichlorobenzene	38.530	5.0	40.00	0	96.3	40	134				
1,2,3-Trichloropropane	34.200	5.0	40.00	0	85.5	38	167				
1,2,4-Trichlorobenzene	40.600	5.0	40.00	0	102	40	132				
1,2,4-Trimethylbenzene	36.130	5.0	40.00	0	90.3	58	123				
1,2-Dibromo-3-chloropropane	35.950	10	40.00	0	89.9	30	181				
1,2-Dibromoethane	37.890	5.0	40.00	0	94.7	67	139				
1,2-Dichlorobenzene	36.970	5.0	40.00	0	92.4	65	122				
1,2-Dichloroethane	39.110	5.0	40.00	0	97.8	63	149				
1,2-Dichloropropane	37.060	5.0	40.00	0	92.6	69	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647900</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	34.640	5.0	40.00	0	86.6	58	122				
1,3-Dichlorobenzene	37.550	5.0	40.00	0	93.9	64	120				
1,3-Dichloropropane	37.770	5.0	40.00	0	94.4	64	141				
1,4-Dichlorobenzene	38.530	5.0	40.00	0	96.3	62	122				
2,2-Dichloropropane	39.200	5.0	40.00	0	98.0	62	138				
2-Chlorotoluene	34.950	5.0	40.00	0	87.4	59	124				
4-Chlorotoluene	36.240	5.0	40.00	0	90.6	60	123				
4-Isopropyltoluene	34.640	5.0	40.00	0	86.6	50	124				
Benzene	36.170	5.0	40.00	0	90.4	72	122				
Bromobenzene	36.920	5.0	40.00	0	92.3	64	129				
Bromodichloromethane	37.540	5.0	40.00	0	93.8	67	142				
Bromoform	39.160	5.0	40.00	0	97.9	35	192				
Bromomethane	39.370	5.0	40.00	0	98.4	62	150				
Carbon tetrachloride	33.900	5.0	40.00	0	84.8	56	142				
Chlorobenzene	37.780	5.0	40.00	0	94.4	71	120				
Chloroethane	35.120	5.0	40.00	0	87.8	55	149				
Chloroform	37.600	5.0	40.00	0.9300	91.7	70	135				
Chloromethane	40.870	5.0	40.00	0	102	37	151				
cis-1,2-Dichloroethene	37.100	5.0	40.00	0	92.8	69	131				
cis-1,3-Dichloropropene	39.050	5.0	40.00	0	97.6	71	129				
Dibromochloromethane	39.060	5.0	40.00	0	97.6	53	161				
Dibromomethane	38.020	5.0	40.00	0	95.1	66	145				
Dichlorodifluoromethane	38.740	5.0	40.00	0	96.9	52	135				
Ethylbenzene	36.190	5.0	40.00	0	90.5	65	120				
Hexachlorobutadiene	34.000	5.0	40.00	0	85.0	22	135				
Isopropylbenzene	33.440	5.0	40.00	0	83.6	60	121				
m,p-Xylene	73.200	10	80.00	0	91.5	65	120				
Methylene chloride	40.670	5.0	40.00	0	102	55	138				
MTBE	38.970	5.0	40.00	0	97.4	64	149				
n-Butylbenzene	35.370	5.0	40.00	0	88.4	43	126				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647900</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	34.250	5.0	40.00	0	85.6	56	122				
Naphthalene	37.100	5.0	40.00	0	92.8	48	139				
o-Xylene	37.290	5.0	40.00	0	93.2	67	118				
sec-Butylbenzene	33.600	5.0	40.00	0	84.0	50	123				
Styrene	37.530	5.0	40.00	0	93.8	57	129				
tert-Butylbenzene	33.990	5.0	40.00	0	85.0	54	121				
Tetrachloroethene	35.870	5.0	40.00	0	89.7	35	149				
Toluene	35.980	5.0	40.00	0	90.0	68	120				
trans-1,2-Dichloroethene	36.600	5.0	40.00	0	91.5	62	139				
Trichloroethene	36.700	5.0	40.00	0	91.8	63	134				
Trichlorofluoromethane	36.090	5.0	40.00	0	90.2	34	179				
Vinyl chloride	40.950	5.0	40.00	0	102	57	136				
Surr: 1,2-Dichloroethane-d4	48.460		50.00		96.9	63	139				
Surr: 4-Bromofluorobenzene	46.720		50.00		93.4	75	124				
Surr: Dibromofluoromethane	48.180		50.00		96.4	70	133				
Surr: Toluene-d8	45.200		50.00		90.4	80	123				

Sample ID: <b>Q130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647902</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647902</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

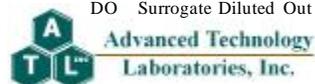
**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647902</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	1.080	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	43.520		50.00		87.0	63	139				
Surr: 4-Bromofluorobenzene	45.080		50.00		90.2	75	124				
Surr: Dibromofluoromethane	43.670		50.00		87.3	70	133				
Surr: Toluene-d8	44.240		50.00		88.5	80	123				

Sample ID: <b>Q130919MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130919MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647903</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	45.310		50.00		90.6	63	139				
Surr: 4-Bromofluorobenzene	44.210		50.00		88.4	75	124				
Surr: Dibromofluoromethane	44.550		50.00		89.1	70	133				
Surr: Toluene-d8	45.320		50.00		90.6	80	123				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	45.840		50.00		91.7	63	139		0		
Surr: 4-Bromofluorobenzene	47.590		50.00		95.2	75	124		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	46.120		50.00		92.2	70	133		0		
Surr: Toluene-d8	49.260		50.00		98.5	80	123		0		

Sample ID: <b>N011009-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647920</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	51.800		50.00		104	63	139		0		
Surr: 4-Bromofluorobenzene	46.420		50.00		92.8	75	124		0		
Surr: Dibromofluoromethane	17.390		50.00		34.8	70	133		0		S
Surr: Toluene-d8	47.490		50.00		95.0	80	123		0		

Sample ID: <b>N011008-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647924</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	32.080	5.0	40.00	0	80.2	58	149				
1,1,1-Trichloroethane	32.650	5.0	40.00	0	81.6	67	126				
1,1,2,2-Tetrachloroethane	28.740	5.0	40.00	0	71.8	18	193				
1,1,2-Trichloroethane	34.570	5.0	40.00	0	86.4	70	136				
1,1-Dichloroethane	34.190	5.0	40.00	0	85.5	65	134				
1,1-Dichloroethene	31.490	5.0	40.00	0	78.7	61	135				
1,1-Dichloropropene	31.830	5.0	40.00	0	79.6	68	125				
1,2,3-Trichlorobenzene	31.370	5.0	40.00	0	78.4	40	134				
1,2,3-Trichloropropane	28.830	5.0	40.00	0	72.1	38	167				
1,2,4-Trichlorobenzene	32.360	5.0	40.00	0	80.9	40	132				
1,2,4-Trimethylbenzene	31.270	5.0	40.00	0	78.2	58	123				
1,2-Dibromo-3-chloropropane	26.720	10	40.00	0	66.8	30	181				
1,2-Dibromoethane	34.830	5.0	40.00	0	87.1	67	139				
1,2-Dichlorobenzene	32.570	5.0	40.00	0	81.4	65	122				
1,2-Dichloroethane	35.560	5.0	40.00	0	88.9	63	149				
1,2-Dichloropropane	35.040	5.0	40.00	0	87.6	69	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647924</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	30.330	5.0	40.00	0	75.8	58	122				
1,3-Dichlorobenzene	32.070	5.0	40.00	0	80.2	64	120				
1,3-Dichloropropane	33.090	5.0	40.00	0	82.7	64	141				
1,4-Dichlorobenzene	33.060	5.0	40.00	0	82.6	62	122				
2,2-Dichloropropane	34.510	5.0	40.00	0	86.3	62	138				
2-Chlorotoluene	30.800	5.0	40.00	0	77.0	59	124				
4-Chlorotoluene	31.750	5.0	40.00	0	79.4	60	123				
4-Isopropyltoluene	29.740	5.0	40.00	0	74.4	50	124				
Benzene	34.080	5.0	40.00	0	85.2	72	122				
Bromobenzene	32.510	5.0	40.00	0	81.3	64	129				
Bromodichloromethane	33.770	5.0	40.00	0	84.4	67	142				
Bromoform	31.570	5.0	40.00	0	78.9	35	192				
Bromomethane	49.370	5.0	40.00	0	123	62	150				
Carbon tetrachloride	30.660	5.0	40.00	0	76.7	56	142				
Chlorobenzene	33.800	5.0	40.00	0	84.5	71	120				
Chloroethane	50.320	5.0	40.00	0	126	55	149				
Chloroform	33.660	5.0	40.00	0	84.2	70	135				
Chloromethane	66.650	5.0	40.00	0	167	37	151				S
cis-1,2-Dichloroethene	33.350	5.0	40.00	0	83.4	69	131				
cis-1,3-Dichloropropene	34.690	5.0	40.00	0	86.7	71	129				
Dibromochloromethane	31.720	5.0	40.00	0	79.3	53	161				
Dibromomethane	34.970	5.0	40.00	0	87.4	66	145				
Dichlorodifluoromethane	61.060	5.0	40.00	0	153	52	135				S
Ethylbenzene	32.580	5.0	40.00	0	81.4	65	120				
Hexachlorobutadiene	27.660	5.0	40.00	0	69.2	22	135				
Isopropylbenzene	29.670	5.0	40.00	0	74.2	60	121				
m,p-Xylene	65.980	10	80.00	0	82.5	65	120				
Methylene chloride	55.700	5.0	40.00	0	139	55	138				S
MTBE	32.470	5.0	40.00	0	81.2	64	149				
n-Butylbenzene	30.390	5.0	40.00	0	76.0	43	126				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011008-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90356</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS001</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647924</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	30.670	5.0	40.00	0	76.7	56	122				
Naphthalene	28.350	5.0	40.00	0	70.9	48	139				
o-Xylene	33.100	5.0	40.00	0	82.8	67	118				
sec-Butylbenzene	29.330	5.0	40.00	0	73.3	50	123				
Styrene	33.480	5.0	40.00	0	83.7	57	129				
tert-Butylbenzene	29.870	5.0	40.00	0	74.7	54	121				
Tetrachloroethene	31.170	5.0	40.00	0	77.9	35	149				
Toluene	33.790	5.0	40.00	0	84.5	68	120				
trans-1,2-Dichloroethene	32.900	5.0	40.00	0	82.2	62	139				
Trichloroethene	34.370	5.0	40.00	0	85.9	63	134				
Trichlorofluoromethane	32.160	5.0	40.00	0	80.4	34	179				
Vinyl chloride	48.260	5.0	40.00	0	121	57	136				
Surr: 1,2-Dichloroethane-d4	45.810		50.00		91.6	63	139				
Surr: 4-Bromofluorobenzene	43.540		50.00		87.1	75	124				
Surr: Dibromofluoromethane	45.560		50.00		91.1	70	133				
Surr: Toluene-d8	44.070		50.00		88.1	80	123				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130920LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648871</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	37.870	5.0	40.00	0	94.7	80	123				
1,1,1-Trichloroethane	37.780	5.0	40.00	0	94.4	71	127				
1,1,2,2-Tetrachloroethane	34.350	5.0	40.00	0	85.9	80	120				
1,1,2-Trichloroethane	36.290	5.0	40.00	0	90.7	80	120				
1,1-Dichloroethane	37.970	5.0	40.00	0	94.9	80	120				
1,1-Dichloroethene	36.290	5.0	40.00	0	90.7	80	121				
1,1-Dichloropropene	36.770	5.0	40.00	0	91.9	74	131				
1,2,3-Trichlorobenzene	39.610	5.0	40.00	0	99.0	64	137				
1,2,3-Trichloropropane	32.510	5.0	40.00	0	81.3	75	120				
1,2,4-Trichlorobenzene	40.820	5.0	40.00	0	102	75	128				
1,2,4-Trimethylbenzene	37.130	5.0	40.00	0	92.8	73	128				
1,2-Dibromo-3-chloropropane	30.500	10	40.00	0	76.2	53	143				
1,2-Dibromoethane	36.360	5.0	40.00	0	90.9	74	124				
1,2-Dichlorobenzene	37.410	5.0	40.00	0	93.5	80	120				
1,2-Dichloroethane	38.530	5.0	40.00	0	96.3	70	139				
1,2-Dichloropropane	38.550	5.0	40.00	0	96.4	80	120				
1,3,5-Trimethylbenzene	36.900	5.0	40.00	0	92.2	76	126				
1,3-Dichlorobenzene	38.190	5.0	40.00	0	95.5	80	120				
1,3-Dichloropropane	36.540	5.0	40.00	0	91.4	80	120				
1,4-Dichlorobenzene	38.560	5.0	40.00	0	96.4	80	120				
2,2-Dichloropropane	38.880	5.0	40.00	0	97.2	72	135				
2-Chlorotoluene	36.690	5.0	40.00	0	91.7	79	120				
4-Chlorotoluene	37.250	5.0	40.00	0	93.1	80	120				
4-Isopropyltoluene	37.250	5.0	40.00	0	93.1	76	126				
Benzene	38.070	5.0	40.00	0	95.2	80	120				
Bromobenzene	37.380	5.0	40.00	0	93.5	80	120				
Bromodichloromethane	38.430	5.0	40.00	0	96.1	79	131				
Bromoform	36.130	5.0	40.00	0	90.3	80	120				
Bromomethane	43.440	5.0	40.00	0	109	43	179				
Carbon tetrachloride	37.110	5.0	40.00	0	92.8	80	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130920LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648871</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	38.220	5.0	40.00	0	95.6	80	120				
Chloroethane	40.360	5.0	40.00	0	101	32	181				
Chloroform	37.340	5.0	40.00	0	93.4	77	129				
Chloromethane	41.270	5.0	40.00	0	103	80	120				
cis-1,2-Dichloroethene	36.800	5.0	40.00	0	92.0	80	120				
cis-1,3-Dichloropropene	38.490	5.0	40.00	0	96.2	80	120				
Dibromochloromethane	36.680	5.0	40.00	0	91.7	80	122				
Dibromomethane	36.770	5.0	40.00	0	91.9	80	120				
Dichlorodifluoromethane	42.460	5.0	40.00	0	106	64	135				
Ethylbenzene	37.230	5.0	40.00	0	93.1	80	120				
Hexachlorobutadiene	36.590	5.0	40.00	0	91.5	69	132				
Isopropylbenzene	35.670	5.0	40.00	0	89.2	79	121				
m,p-Xylene	74.560	10	80.00	0	93.2	80	121				
Methylene chloride	43.610	5.0	40.00	0	109	74	123				
MTBE	35.630	5.0	40.00	0	89.1	56	140				
n-Butylbenzene	38.310	5.0	40.00	0	95.8	72	131				
n-Propylbenzene	36.370	5.0	40.00	0	90.9	79	122				
Naphthalene	34.460	5.0	40.00	0	86.2	69	126				
o-Xylene	37.290	5.0	40.00	0	93.2	80	120				
sec-Butylbenzene	36.230	5.0	40.00	0	90.6	74	127				
Styrene	37.160	5.0	40.00	0	92.9	80	120				
tert-Butylbenzene	36.330	5.0	40.00	0	90.8	75	125				
Tetrachloroethene	37.100	5.0	40.00	0	92.8	80	120				
Toluene	37.260	5.0	40.00	0	93.2	80	120				
trans-1,2-Dichloroethene	37.000	5.0	40.00	0	92.5	80	125				
Trichloroethene	38.830	5.0	40.00	0	97.1	80	120				
Trichlorofluoromethane	37.350	5.0	40.00	0	93.4	67	152				
Vinyl chloride	39.530	5.0	40.00	0	98.8	69	135				
Surr: 1,2-Dichloroethane-d4	45.920		50.00		91.8	63	139				
Surr: 4-Bromofluorobenzene	45.890		50.00		91.8	75	124				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130920LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648871</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	47.740		50.00		95.5	70	133				
Surr: Toluene-d8	46.070		50.00		92.1	80	123				

Sample ID: <b>Q130920MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648872</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130920MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648872</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130920MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648872</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.310		50.00		80.6	63	139				
Surr: 4-Bromofluorobenzene	45.870		50.00		91.7	75	124				
Surr: Dibromofluoromethane	42.990		50.00		86.0	70	133				
Surr: Toluene-d8	48.830		50.00		97.7	80	123				

Sample ID: <b>Q130920MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648873</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130920MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648873</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
 Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

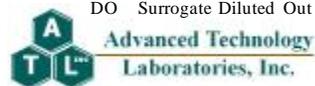
**TestCode: 8260SOIL**

Sample ID: <b>Q130920MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648873</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	43.710		50.00		87.4	63	139				
Surr: 4-Bromofluorobenzene	44.620		50.00		89.2	75	124				
Surr: Dibromofluoromethane	43.230		50.00		86.5	70	133				
Surr: Toluene-d8	44.730		50.00		89.5	80	123				

Sample ID: <b>N011009-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648886</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	34.100	5.0	40.00	0	85.2	58	149				
1,1,1-Trichloroethane	34.200	5.0	40.00	0	85.5	67	126				
1,1,2,2-Tetrachloroethane	32.670	5.0	40.00	0	81.7	18	193				
1,1,2-Trichloroethane	33.780	5.0	40.00	0	84.4	70	136				
1,1-Dichloroethane	34.910	5.0	40.00	0	87.3	65	134				
1,1-Dichloroethene	33.810	5.0	40.00	0	84.5	61	135				
1,1-Dichloropropene	31.650	5.0	40.00	0	79.1	68	125				
1,2,3-Trichlorobenzene	32.150	5.0	40.00	0	80.4	40	134				
1,2,3-Trichloropropane	33.950	5.0	40.00	0	84.9	38	167				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N011009-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648886</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	33.690	5.0	40.00	0	84.2	40	132				
1,2,4-Trimethylbenzene	34.800	5.0	40.00	0	87.0	58	123				
1,2-Dibromo-3-chloropropane	32.070	10	40.00	0	80.2	30	181				
1,2-Dibromoethane	35.180	5.0	40.00	0	88.0	67	139				
1,2-Dichlorobenzene	34.770	5.0	40.00	0	86.9	65	122				
1,2-Dichloroethane	37.290	5.0	40.00	0	93.2	63	149				
1,2-Dichloropropane	34.880	5.0	40.00	0	87.2	69	127				
1,3,5-Trimethylbenzene	33.640	5.0	40.00	0	84.1	58	122				
1,3-Dichlorobenzene	35.390	5.0	40.00	0	88.5	64	120				
1,3-Dichloropropane	34.840	5.0	40.00	0	87.1	64	141				
1,4-Dichlorobenzene	35.890	5.0	40.00	0	89.7	62	122				
2,2-Dichloropropane	34.310	5.0	40.00	0	85.8	62	138				
2-Chlorotoluene	34.220	5.0	40.00	0	85.6	59	124				
4-Chlorotoluene	34.380	5.0	40.00	0	86.0	60	123				
4-Isopropyltoluene	33.500	5.0	40.00	1.170	80.8	50	124				
Benzene	34.130	5.0	40.00	0	85.3	72	122				
Bromobenzene	36.610	5.0	40.00	0	91.5	64	129				
Bromodichloromethane	34.730	5.0	40.00	0	86.8	67	142				
Bromoform	35.160	5.0	40.00	0	87.9	35	192				
Bromomethane	54.160	5.0	40.00	0	135	62	150				
Carbon tetrachloride	31.670	5.0	40.00	0	79.2	56	142				
Chlorobenzene	35.520	5.0	40.00	0	88.8	71	120				
Chloroethane	56.870	5.0	40.00	0	142	55	149				
Chloroform	34.660	5.0	40.00	0	86.7	70	135				
Chloromethane	66.240	5.0	40.00	0	166	37	151				S
cis-1,2-Dichloroethene	34.100	5.0	40.00	0	85.2	69	131				
cis-1,3-Dichloropropene	34.400	5.0	40.00	0	86.0	71	129				
Dibromochloromethane	34.570	5.0	40.00	0	86.4	53	161				
Dibromomethane	35.800	5.0	40.00	0	89.5	66	145				
Dichlorodifluoromethane	64.120	5.0	40.00	0	160	52	135				S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-015AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648886</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	34.080	5.0	40.00	0	85.2	65	120				
Hexachlorobutadiene	28.650	5.0	40.00	0	71.6	22	135				
Isopropylbenzene	33.050	5.0	40.00	0	82.6	60	121				
m,p-Xylene	68.800	10	80.00	0	86.0	65	120				
Methylene chloride	53.670	5.0	40.00	0	134	55	138				
MTBE	32.680	5.0	40.00	0	81.7	64	149				
n-Butylbenzene	32.560	5.0	40.00	0	81.4	43	126				
n-Propylbenzene	33.270	5.0	40.00	0	83.2	56	122				
Naphthalene	29.730	5.0	40.00	0	74.3	48	139				
o-Xylene	34.940	5.0	40.00	0	87.4	67	118				
sec-Butylbenzene	32.300	5.0	40.00	0	80.8	50	123				
Styrene	34.300	5.0	40.00	0	85.8	57	129				
tert-Butylbenzene	33.080	5.0	40.00	0	82.7	54	121				
Tetrachloroethene	33.310	5.0	40.00	0	83.3	35	149				
Toluene	34.740	5.0	40.00	0	86.9	68	120				
trans-1,2-Dichloroethene	33.320	5.0	40.00	0	83.3	62	139				
Trichloroethene	34.590	5.0	40.00	0	86.5	63	134				
Trichlorofluoromethane	33.750	5.0	40.00	0	84.4	34	179				
Vinyl chloride	50.470	5.0	40.00	0	126	57	136				
Surr: 1,2-Dichloroethane-d4	46.150		50.00		92.3	63	139				
Surr: 4-Bromofluorobenzene	44.380		50.00		88.8	75	124				
Surr: Dibromofluoromethane	47.440		50.00		94.9	70	133				
Surr: Toluene-d8	45.750		50.00		91.5	80	123				

Sample ID: <b>N011009-015AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648887</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	36.530	5.0	40.00	0	91.3	58	149	34.10	6.88	20	
1,1,1-Trichloroethane	35.640	5.0	40.00	0	89.1	67	126	34.20	4.12	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N011009-015AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648887</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	35.940	5.0	40.00	0	89.8	18	193	32.67	9.53	20	
1,1,2-Trichloroethane	38.020	5.0	40.00	0	95.1	70	136	33.78	11.8	20	
1,1-Dichloroethane	36.960	5.0	40.00	0	92.4	65	134	34.91	5.70	20	
1,1-Dichloroethene	34.400	5.0	40.00	0	86.0	61	135	33.81	1.73	20	
1,1-Dichloropropene	33.120	5.0	40.00	0	82.8	68	125	31.65	4.54	20	
1,2,3-Trichlorobenzene	34.940	5.0	40.00	0	87.4	40	134	32.15	8.32	20	
1,2,3-Trichloropropane	35.500	5.0	40.00	0	88.8	38	167	33.95	4.46	20	
1,2,4-Trichlorobenzene	36.010	5.0	40.00	0	90.0	40	132	33.69	6.66	20	
1,2,4-Trimethylbenzene	34.760	5.0	40.00	0	86.9	58	123	34.80	0.115	20	
1,2-Dibromo-3-chloropropane	37.220	10	40.00	0	93.0	30	181	32.07	14.9	20	
1,2-Dibromoethane	39.210	5.0	40.00	0	98.0	67	139	35.18	10.8	20	
1,2-Dichlorobenzene	36.610	5.0	40.00	0	91.5	65	122	34.77	5.16	20	
1,2-Dichloroethane	39.290	5.0	40.00	0	98.2	63	149	37.29	5.22	20	
1,2-Dichloropropane	35.930	5.0	40.00	0	89.8	69	127	34.88	2.97	20	
1,3,5-Trimethylbenzene	33.980	5.0	40.00	0	85.0	58	122	33.64	1.01	20	
1,3-Dichlorobenzene	36.660	5.0	40.00	0	91.7	64	120	35.39	3.53	20	
1,3-Dichloropropane	36.860	5.0	40.00	0	92.2	64	141	34.84	5.63	20	
1,4-Dichlorobenzene	37.750	5.0	40.00	0	94.4	62	122	35.89	5.05	20	
2,2-Dichloropropane	35.720	5.0	40.00	0	89.3	62	138	34.31	4.03	20	
2-Chlorotoluene	34.600	5.0	40.00	0	86.5	59	124	34.22	1.10	20	
4-Chlorotoluene	34.950	5.0	40.00	0	87.4	60	123	34.38	1.64	20	
4-Isopropyltoluene	33.840	5.0	40.00	1.170	81.7	50	124	33.50	1.01	20	
Benzene	35.920	5.0	40.00	0	89.8	72	122	34.13	5.11	20	
Bromobenzene	37.480	5.0	40.00	0	93.7	64	129	36.61	2.35	20	
Bromodichloromethane	36.900	5.0	40.00	0	92.2	67	142	34.73	6.06	20	
Bromoform	38.490	5.0	40.00	0	96.2	35	192	35.16	9.04	20	
Bromomethane	54.670	5.0	40.00	0	137	62	150	54.16	0.937	20	
Carbon tetrachloride	33.300	5.0	40.00	0	83.3	56	142	31.67	5.02	20	
Chlorobenzene	37.040	5.0	40.00	0	92.6	71	120	35.52	4.19	20	
Chloroethane	57.320	5.0	40.00	0	143	55	149	56.87	0.788	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N011009-015AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648887</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	36.570	5.0	40.00	0	91.4	70	135	34.66	5.36	20	
Chloromethane	70.790	5.0	40.00	0	177	37	151	66.24	6.64	20	S
cis-1,2-Dichloroethene	35.650	5.0	40.00	0	89.1	69	131	34.10	4.44	20	
cis-1,3-Dichloropropene	36.370	5.0	40.00	0	90.9	71	129	34.40	5.57	20	
Dibromochloromethane	36.130	5.0	40.00	0	90.3	53	161	34.57	4.41	20	
Dibromomethane	39.660	5.0	40.00	0	99.2	66	145	35.80	10.2	20	
Dichlorodifluoromethane	65.990	5.0	40.00	0	165	52	135	64.12	2.87	20	S
Ethylbenzene	35.370	5.0	40.00	0	88.4	65	120	34.08	3.71	20	
Hexachlorobutadiene	30.070	5.0	40.00	0	75.2	22	135	28.65	4.84	20	
Isopropylbenzene	33.870	5.0	40.00	0	84.7	60	121	33.05	2.45	20	
m,p-Xylene	72.040	10	80.00	0	90.1	65	120	68.80	4.60	20	
Methylene chloride	58.130	5.0	40.00	0	145	55	138	53.67	7.98	20	S
MTBE	36.800	5.0	40.00	0	92.0	64	149	32.68	11.9	20	
n-Butylbenzene	33.110	5.0	40.00	0	82.8	43	126	32.56	1.68	20	
n-Propylbenzene	33.660	5.0	40.00	0	84.2	56	122	33.27	1.17	20	
Naphthalene	35.630	5.0	40.00	0	89.1	48	139	29.73	18.1	20	
o-Xylene	36.390	5.0	40.00	0	91.0	67	118	34.94	4.07	20	
sec-Butylbenzene	32.280	5.0	40.00	0	80.7	50	123	32.30	0.0619	20	
Styrene	36.000	5.0	40.00	0	90.0	57	129	34.30	4.84	20	
tert-Butylbenzene	33.870	5.0	40.00	0	84.7	54	121	33.08	2.36	20	
Tetrachloroethene	34.780	5.0	40.00	0	87.0	35	149	33.31	4.32	20	
Toluene	36.610	5.0	40.00	0	91.5	68	120	34.74	5.24	20	
trans-1,2-Dichloroethene	35.070	5.0	40.00	0	87.7	62	139	33.32	5.12	20	
Trichloroethene	36.210	5.0	40.00	0	90.5	63	134	34.59	4.58	20	
Trichlorofluoromethane	36.170	5.0	40.00	0	90.4	34	179	33.75	6.92	20	
Vinyl chloride	52.550	5.0	40.00	0	131	57	136	50.47	4.04	20	
Surr: 1,2-Dichloroethane-d4	49.570		50.00		99.1	63	139		0		
Surr: 4-Bromofluorobenzene	45.390		50.00		90.8	75	124		0		
Surr: Dibromofluoromethane	49.960		50.00		99.9	70	133		0		
Surr: Toluene-d8	46.250		50.00		92.5	80	123		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

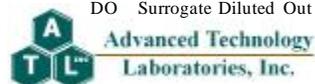
**TestCode: 8260SOIL**

Sample ID: <b>N011009-014AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648888</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	36.320	5.0	40.00	0	90.8	58	149				
1,1,1-Trichloroethane	35.530	5.0	40.00	0	88.8	67	126				
1,1,2,2-Tetrachloroethane	9.860	5.0	40.00	0	24.6	18	193				
1,1,2-Trichloroethane	37.840	5.0	40.00	0	94.6	70	136				
1,1-Dichloroethane	36.990	5.0	40.00	0	92.5	65	134				
1,1-Dichloroethene	34.440	5.0	40.00	0	86.1	61	135				
1,1-Dichloropropene	33.110	5.0	40.00	0	82.8	68	125				
1,2,3-Trichlorobenzene	35.770	5.0	40.00	0	89.4	40	134				
1,2,3-Trichloropropane	34.580	5.0	40.00	0	86.5	38	167				
1,2,4-Trichlorobenzene	35.400	5.0	40.00	0	88.5	40	132				
1,2,4-Trimethylbenzene	35.090	5.0	40.00	0	87.7	58	123				
1,2-Dibromo-3-chloropropane	33.800	10	40.00	0	84.5	30	181				
1,2-Dibromoethane	38.440	5.0	40.00	0	96.1	67	139				
1,2-Dichlorobenzene	36.910	5.0	40.00	0	92.3	65	122				
1,2-Dichloroethane	38.510	5.0	40.00	0	96.3	63	149				
1,2-Dichloropropane	36.870	5.0	40.00	0	92.2	69	127				
1,3,5-Trimethylbenzene	33.720	5.0	40.00	0	84.3	58	122				
1,3-Dichlorobenzene	36.540	5.0	40.00	0	91.4	64	120				
1,3-Dichloropropane	36.900	5.0	40.00	0	92.2	64	141				
1,4-Dichlorobenzene	38.380	5.0	40.00	0	96.0	62	122				
2,2-Dichloropropane	34.360	5.0	40.00	0	85.9	62	138				
2-Chlorotoluene	34.450	5.0	40.00	0	86.1	59	124				
4-Chlorotoluene	35.420	5.0	40.00	0	88.6	60	123				
4-Isopropyltoluene	33.080	5.0	40.00	0	82.7	50	124				
Benzene	36.290	5.0	40.00	0	90.7	72	122				
Bromobenzene	37.410	5.0	40.00	0	93.5	64	129				
Bromodichloromethane	36.330	5.0	40.00	0	90.8	67	142				
Bromoform	37.220	5.0	40.00	0	93.0	35	192				
Bromomethane	53.550	5.0	40.00	0	134	62	150				
Carbon tetrachloride	33.210	5.0	40.00	0	83.0	56	142				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-014AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648888</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	37.710	5.0	40.00	0	94.3	71	120				
Chloroethane	58.190	5.0	40.00	0	145	55	149				
Chloroform	37.020	5.0	40.00	0	92.6	70	135				
Chloromethane	69.870	5.0	40.00	0	175	37	151				S
cis-1,2-Dichloroethene	35.540	5.0	40.00	0	88.8	69	131				
cis-1,3-Dichloropropene	36.320	5.0	40.00	0	90.8	71	129				
Dibromochloromethane	37.040	5.0	40.00	0	92.6	53	161				
Dibromomethane	38.470	5.0	40.00	0	96.2	66	145				
Dichlorodifluoromethane	64.590	5.0	40.00	0	161	52	135				S
Ethylbenzene	35.580	5.0	40.00	0	89.0	65	120				
Hexachlorobutadiene	27.160	5.0	40.00	0	67.9	22	135				
Isopropylbenzene	33.380	5.0	40.00	0	83.4	60	121				
m,p-Xylene	72.250	10	80.00	0	90.3	65	120				
Methylene chloride	54.900	5.0	40.00	0	137	55	138				
MTBE	34.190	5.0	40.00	0	85.5	64	149				
n-Butylbenzene	32.680	5.0	40.00	0	81.7	43	126				
n-Propylbenzene	33.640	5.0	40.00	0	84.1	56	122				
Naphthalene	35.880	5.0	40.00	0	89.7	48	139				
o-Xylene	36.510	5.0	40.00	0	91.3	67	118				
sec-Butylbenzene	31.730	5.0	40.00	0	79.3	50	123				
Styrene	36.870	5.0	40.00	0	92.2	57	129				
tert-Butylbenzene	33.120	5.0	40.00	0	82.8	54	121				
Tetrachloroethene	34.070	5.0	40.00	0	85.2	35	149				
Toluene	36.420	5.0	40.00	0	91.1	68	120				
trans-1,2-Dichloroethene	35.110	5.0	40.00	0	87.8	62	139				
Trichloroethene	57.980	5.0	40.00	0	145	63	134				S
Trichlorofluoromethane	36.050	5.0	40.00	0	90.1	34	179				
Vinyl chloride	51.790	5.0	40.00	0	129	57	136				
Surr: 1,2-Dichloroethane-d4	47.130		50.00		94.3	63	139				
Surr: 4-Bromofluorobenzene	43.970		50.00		87.9	75	124				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-014AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648888</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	37.870		50.00		75.7	70	133				
Surr: Toluene-d8	44.650		50.00		89.3	80	123				

Sample ID: <b>N011009-024ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648895</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-024ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648895</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-024ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648895</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	44.630		50.00		89.3	63	139		0		
Surr: 4-Bromofluorobenzene	39.590		50.00		79.2	75	124		0		
Surr: Dibromofluoromethane	45.950		50.00		91.9	70	133		0		
Surr: Toluene-d8	44.370		50.00		88.7	80	123		0		

Sample ID: <b>N011009-030ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648896</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-030ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648896</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-030ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90398</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS002</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648896</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	50.340		50.00		101	63	139		0		
Surr: 4-Bromofluorobenzene	39.830		50.00		79.7	75	124		0		
Surr: Dibromofluoromethane	46.950		50.00		93.9	70	133		0		
Surr: Toluene-d8	41.770		50.00		83.5	80	123		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

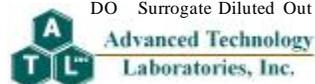
**TestCode: 8260SOIL**

Sample ID: <b>Q130921LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649006</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	36.820	5.0	40.00	0	92.0	80	123				
1,1,1-Trichloroethane	35.290	5.0	40.00	0	88.2	71	127				
1,1,2,2-Tetrachloroethane	33.810	5.0	40.00	0	84.5	80	120				
1,1,2-Trichloroethane	36.960	5.0	40.00	0	92.4	80	120				
1,1-Dichloroethane	35.620	5.0	40.00	0	89.0	80	120				
1,1-Dichloroethene	35.250	5.0	40.00	0	88.1	80	121				
1,1-Dichloropropene	35.550	5.0	40.00	0	88.9	74	131				
1,2,3-Trichlorobenzene	38.900	5.0	40.00	0	97.3	64	137				
1,2,3-Trichloropropane	33.800	5.0	40.00	0	84.5	75	120				
1,2,4-Trichlorobenzene	40.390	5.0	40.00	0	101	75	128				
1,2,4-Trimethylbenzene	35.420	5.0	40.00	0	88.6	73	128				
1,2-Dibromo-3-chloropropane	34.630	10	40.00	0	86.6	53	143				
1,2-Dibromoethane	37.100	5.0	40.00	0	92.8	74	124				
1,2-Dichlorobenzene	36.260	5.0	40.00	0	90.7	80	120				
1,2-Dichloroethane	38.310	5.0	40.00	0	95.8	70	139				
1,2-Dichloropropane	36.890	5.0	40.00	0	92.2	80	120				
1,3,5-Trimethylbenzene	34.390	5.0	40.00	0	86.0	76	126				
1,3-Dichlorobenzene	37.360	5.0	40.00	0	93.4	80	120				
1,3-Dichloropropane	36.400	5.0	40.00	0	91.0	80	120				
1,4-Dichlorobenzene	37.960	5.0	40.00	0	94.9	80	120				
2,2-Dichloropropane	36.900	5.0	40.00	0	92.2	72	135				
2-Chlorotoluene	34.490	5.0	40.00	0	86.2	79	120				
4-Chlorotoluene	35.190	5.0	40.00	0	88.0	80	120				
4-Isopropyltoluene	35.030	5.0	40.00	0	87.6	76	126				
Benzene	36.650	5.0	40.00	0	91.6	80	120				
Bromobenzene	36.290	5.0	40.00	0	90.7	80	120				
Bromodichloromethane	36.520	5.0	40.00	0	91.3	79	131				
Bromoform	38.450	5.0	40.00	0	96.1	80	120				
Bromomethane	41.830	5.0	40.00	0	105	43	179				
Carbon tetrachloride	35.800	5.0	40.00	0	89.5	80	125				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130921LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649006</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	36.790	5.0	40.00	0	92.0	80	120				
Chloroethane	37.430	5.0	40.00	0	93.6	32	181				
Chloroform	35.520	5.0	40.00	0	88.8	77	129				
Chloromethane	42.540	5.0	40.00	0	106	80	120				
cis-1,2-Dichloroethene	35.550	5.0	40.00	0	88.9	80	120				
cis-1,3-Dichloropropene	36.900	5.0	40.00	0	92.2	80	120				
Dibromochloromethane	36.920	5.0	40.00	0	92.3	80	122				
Dibromomethane	37.790	5.0	40.00	0	94.5	80	120				
Dichlorodifluoromethane	40.760	5.0	40.00	0	102	64	135				
Ethylbenzene	35.460	5.0	40.00	0	88.6	80	120				
Hexachlorobutadiene	36.270	5.0	40.00	0	90.7	69	132				
Isopropylbenzene	33.660	5.0	40.00	0	84.2	79	121				
m,p-Xylene	71.500	10	80.00	0	89.4	80	121				
Methylene chloride	36.990	5.0	40.00	0	92.5	74	123				
MTBE	34.510	5.0	40.00	0	86.3	56	140				
n-Butylbenzene	36.040	5.0	40.00	0	90.1	72	131				
n-Propylbenzene	34.400	5.0	40.00	0	86.0	79	122				
Naphthalene	35.600	5.0	40.00	0	89.0	69	126				
o-Xylene	35.530	5.0	40.00	0	88.8	80	120				
sec-Butylbenzene	33.720	5.0	40.00	0	84.3	74	127				
Styrene	35.900	5.0	40.00	0	89.8	80	120				
tert-Butylbenzene	33.850	5.0	40.00	0	84.6	75	125				
Tetrachloroethene	36.230	5.0	40.00	0	90.6	80	120				
Toluene	36.150	5.0	40.00	0	90.4	80	120				
trans-1,2-Dichloroethene	35.330	5.0	40.00	0	88.3	80	125				
Trichloroethene	37.910	5.0	40.00	0	94.8	80	120				
Trichlorofluoromethane	35.860	5.0	40.00	0	89.7	67	152				
Vinyl chloride	38.420	5.0	40.00	0	96.0	69	135				
Surr: 1,2-Dichloroethane-d4	46.450		50.00		92.9	63	139				
Surr: 4-Bromofluorobenzene	45.170		50.00		90.3	75	124				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130921LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649006</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	46.340		50.00		92.7	70	133				
Surr: Toluene-d8	46.150		50.00		92.3	80	123				

Sample ID: <b>Q130921MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649008</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130921MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649008</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	0.930	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130921MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649008</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.990		50.00		82.0	63	139				
Surr: 4-Bromofluorobenzene	46.860		50.00		93.7	75	124				
Surr: Dibromofluoromethane	42.390		50.00		84.8	70	133				
Surr: Toluene-d8	50.140		50.00		100	80	123				

Sample ID: <b>Q130921MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649009</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130921MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649009</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>Q130921MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649009</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	39.660		50.00		79.3	63	139				
Surr: 4-Bromofluorobenzene	45.820		50.00		91.6	75	124				
Surr: Dibromofluoromethane	42.390		50.00		84.8	70	133				
Surr: Toluene-d8	49.080		50.00		98.2	80	123				

Sample ID: <b>N011009-065ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649029</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-065ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649029</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-065ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649029</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	42.750		50.00		85.5	63	139		0		
Surr: 4-Bromofluorobenzene	40.600		50.00		81.2	75	124		0		
Surr: Dibromofluoromethane	42.520		50.00		85.0	70	133		0		
Surr: Toluene-d8	43.940		50.00		87.9	80	123		0		

Sample ID: <b>N011054-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649030</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011054-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649030</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011054-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649030</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	54.400		50.00		109	63	139		0		
Surr: 4-Bromofluorobenzene	46.460		50.00		92.9	75	124		0		
Surr: Dibromofluoromethane	51.530		50.00		103	70	133		0		
Surr: Toluene-d8	48.090		50.00		96.2	80	123		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-079AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649033</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	36.310	5.0	40.00	0	90.8	58	149				
1,1,1-Trichloroethane	34.000	5.0	40.00	0	85.0	67	126				
1,1,2,2-Tetrachloroethane	33.010	5.0	40.00	0	82.5	18	193				
1,1,2-Trichloroethane	35.980	5.0	40.00	0	90.0	70	136				
1,1-Dichloroethane	34.670	5.0	40.00	0	86.7	65	134				
1,1-Dichloroethene	34.350	5.0	40.00	0	85.9	61	135				
1,1-Dichloropropene	31.860	5.0	40.00	0	79.6	68	125				
1,2,3-Trichlorobenzene	30.450	5.0	40.00	0	76.1	40	134				
1,2,3-Trichloropropane	35.110	5.0	40.00	0	87.8	38	167				
1,2,4-Trichlorobenzene	30.930	5.0	40.00	0	77.3	40	132				
1,2,4-Trimethylbenzene	33.250	5.0	40.00	0	83.1	58	123				
1,2-Dibromo-3-chloropropane	33.940	10	40.00	0	84.8	30	181				
1,2-Dibromoethane	35.680	5.0	40.00	0	89.2	67	139				
1,2-Dichlorobenzene	34.050	5.0	40.00	0	85.1	65	122				
1,2-Dichloroethane	37.520	5.0	40.00	0	93.8	63	149				
1,2-Dichloropropane	35.180	5.0	40.00	0	88.0	69	127				
1,3,5-Trimethylbenzene	32.190	5.0	40.00	0	80.5	58	122				
1,3-Dichlorobenzene	33.920	5.0	40.00	0	84.8	64	120				
1,3-Dichloropropane	36.350	5.0	40.00	0	90.9	64	141				
1,4-Dichlorobenzene	34.680	5.0	40.00	0	86.7	62	122				
2,2-Dichloropropane	30.580	5.0	40.00	0	76.5	62	138				
2-Chlorotoluene	32.430	5.0	40.00	0	81.1	59	124				
4-Chlorotoluene	32.830	5.0	40.00	0	82.1	60	123				
4-Isopropyltoluene	31.300	5.0	40.00	0	78.2	50	124				
Benzene	34.020	5.0	40.00	0	85.0	72	122				
Bromobenzene	35.420	5.0	40.00	0	88.6	64	129				
Bromodichloromethane	36.470	5.0	40.00	0	91.2	67	142				
Bromoform	36.950	5.0	40.00	0	92.4	35	192				
Bromomethane	45.790	5.0	40.00	0	114	62	150				
Carbon tetrachloride	32.980	5.0	40.00	0	82.5	56	142				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-079AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649033</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	34.510	5.0	40.00	0	86.3	71	120				
Chloroethane	39.420	5.0	40.00	0	98.6	55	149				
Chloroform	34.750	5.0	40.00	0	86.9	70	135				
Chloromethane	34.160	5.0	40.00	0	85.4	37	151				
cis-1,2-Dichloroethene	33.780	5.0	40.00	0	84.4	69	131				
cis-1,3-Dichloropropene	31.610	5.0	40.00	0	79.0	71	129				
Dibromochloromethane	37.560	5.0	40.00	0	93.9	53	161				
Dibromomethane	37.180	5.0	40.00	0	93.0	66	145				
Dichlorodifluoromethane	39.010	5.0	40.00	0	97.5	52	135				
Ethylbenzene	32.790	5.0	40.00	0	82.0	65	120				
Hexachlorobutadiene	27.310	5.0	40.00	0	68.3	22	135				
Isopropylbenzene	32.180	5.0	40.00	0	80.4	60	121				
m,p-Xylene	65.250	10	80.00	0	81.6	65	120				
Methylene chloride	38.940	5.0	40.00	0	97.4	55	138				
MTBE	35.590	5.0	40.00	0	89.0	64	149				
n-Butylbenzene	30.390	5.0	40.00	0	76.0	43	126				
n-Propylbenzene	31.950	5.0	40.00	0	79.9	56	122				
Naphthalene	28.480	5.0	40.00	0	71.2	48	139				
o-Xylene	33.280	5.0	40.00	0	83.2	67	118				
sec-Butylbenzene	30.920	5.0	40.00	0	77.3	50	123				
Styrene	31.870	5.0	40.00	0	79.7	57	129				
tert-Butylbenzene	32.130	5.0	40.00	0	80.3	54	121				
Tetrachloroethene	33.330	5.0	40.00	0	83.3	35	149				
Toluene	33.020	5.0	40.00	0	82.6	68	120				
trans-1,2-Dichloroethene	32.760	5.0	40.00	0	81.9	62	139				
Trichloroethene	36.380	5.0	40.00	0	91.0	63	134				
Trichlorofluoromethane	34.590	5.0	40.00	0	86.5	34	179				
Vinyl chloride	35.070	5.0	40.00	0	87.7	57	136				
Surr: 1,2-Dichloroethane-d4	49.620		50.00		99.2	63	139				
Surr: 4-Bromofluorobenzene	42.540		50.00		85.1	75	124				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-079AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649033</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	48.410		50.00		96.8	70	133				
Surr: Toluene-d8	44.110		50.00		88.2	80	123				

Sample ID: <b>N011009-079AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649034</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	37.120	5.0	40.00	0	92.8	58	149	36.31	2.21	20	
1,1,1-Trichloroethane	35.710	5.0	40.00	0	89.3	67	126	34.00	4.91	20	
1,1,2,2-Tetrachloroethane	34.940	5.0	40.00	0	87.4	18	193	33.01	5.68	20	
1,1,2-Trichloroethane	37.500	5.0	40.00	0	93.8	70	136	35.98	4.14	20	
1,1-Dichloroethane	36.620	5.0	40.00	0	91.6	65	134	34.67	5.47	20	
1,1-Dichloroethene	36.620	5.0	40.00	0	91.6	61	135	34.35	6.40	20	
1,1-Dichloropropene	34.680	5.0	40.00	0	86.7	68	125	31.86	8.48	20	
1,2,3-Trichlorobenzene	32.550	5.0	40.00	0	81.4	40	134	30.45	6.67	20	
1,2,3-Trichloropropane	39.990	5.0	40.00	0	100	38	167	35.11	13.0	20	
1,2,4-Trichlorobenzene	32.200	5.0	40.00	0	80.5	40	132	30.93	4.02	20	
1,2,4-Trimethylbenzene	34.780	5.0	40.00	0	87.0	58	123	33.25	4.50	20	
1,2-Dibromo-3-chloropropane	34.840	10	40.00	0	87.1	30	181	33.94	2.62	20	
1,2-Dibromoethane	37.200	5.0	40.00	0	93.0	67	139	35.68	4.17	20	
1,2-Dichlorobenzene	36.550	5.0	40.00	0	91.4	65	122	34.05	7.08	20	
1,2-Dichloroethane	39.300	5.0	40.00	0	98.2	63	149	37.52	4.63	20	
1,2-Dichloropropane	38.020	5.0	40.00	0	95.1	69	127	35.18	7.76	20	
1,3,5-Trimethylbenzene	34.440	5.0	40.00	0	86.1	58	122	32.19	6.75	20	
1,3-Dichlorobenzene	35.470	5.0	40.00	0	88.7	64	120	33.92	4.47	20	
1,3-Dichloropropane	37.080	5.0	40.00	0	92.7	64	141	36.35	1.99	20	
1,4-Dichlorobenzene	36.020	5.0	40.00	0	90.1	62	122	34.68	3.79	20	
2,2-Dichloropropane	33.150	5.0	40.00	0	82.9	62	138	30.58	8.07	20	
2-Chlorotoluene	35.200	5.0	40.00	0	88.0	59	124	32.43	8.19	20	
4-Chlorotoluene	34.780	5.0	40.00	0	87.0	60	123	32.83	5.77	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N011009-079AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649034</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	33.540	5.0	40.00	0	83.9	50	124	31.30	6.91	20	
Benzene	36.160	5.0	40.00	0	90.4	72	122	34.02	6.10	20	
Bromobenzene	37.460	5.0	40.00	0	93.6	64	129	35.42	5.60	20	
Bromodichloromethane	37.770	5.0	40.00	0	94.4	67	142	36.47	3.50	20	
Bromoform	36.930	5.0	40.00	0	92.3	35	192	36.95	0.0541	20	
Bromomethane	47.460	5.0	40.00	0	119	62	150	45.79	3.58	20	
Carbon tetrachloride	35.670	5.0	40.00	0	89.2	56	142	32.98	7.84	20	
Chlorobenzene	35.100	5.0	40.00	0	87.8	71	120	34.51	1.70	20	
Chloroethane	39.280	5.0	40.00	0	98.2	55	149	39.42	0.356	20	
Chloroform	37.280	5.0	40.00	0	93.2	70	135	34.75	7.02	20	
Chloromethane	34.350	5.0	40.00	0	85.9	37	151	34.16	0.555	20	
cis-1,2-Dichloroethene	35.780	5.0	40.00	0	89.4	69	131	33.78	5.75	20	
cis-1,3-Dichloropropene	33.520	5.0	40.00	0	83.8	71	129	31.61	5.87	20	
Dibromochloromethane	36.840	5.0	40.00	0	92.1	53	161	37.56	1.94	20	
Dibromomethane	39.380	5.0	40.00	0	98.4	66	145	37.18	5.75	20	
Dichlorodifluoromethane	42.540	5.0	40.00	0	106	52	135	39.01	8.66	20	
Ethylbenzene	33.470	5.0	40.00	0	83.7	65	120	32.79	2.05	20	
Hexachlorobutadiene	30.520	5.0	40.00	0	76.3	22	135	27.31	11.1	20	
Isopropylbenzene	34.770	5.0	40.00	0	86.9	60	121	32.18	7.74	20	
m,p-Xylene	66.960	10	80.00	0	83.7	65	120	65.25	2.59	20	
Methylene chloride	40.820	5.0	40.00	0	102	55	138	38.94	4.71	20	
MTBE	37.640	5.0	40.00	0	94.1	64	149	35.59	5.60	20	
n-Butylbenzene	31.830	5.0	40.00	0	79.6	43	126	30.39	4.63	20	
n-Propylbenzene	34.300	5.0	40.00	0	85.8	56	122	31.95	7.09	20	
Naphthalene	32.750	5.0	40.00	0	81.9	48	139	28.48	13.9	20	
o-Xylene	33.980	5.0	40.00	0	85.0	67	118	33.28	2.08	20	
sec-Butylbenzene	33.420	5.0	40.00	0	83.6	50	123	30.92	7.77	20	
Styrene	32.350	5.0	40.00	0	80.9	57	129	31.87	1.49	20	
tert-Butylbenzene	34.850	5.0	40.00	0	87.1	54	121	32.13	8.12	20	
Tetrachloroethene	34.010	5.0	40.00	0	85.0	35	149	33.33	2.02	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011009-079AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649034</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	35.340	5.0	40.00	0	88.4	68	120	33.02	6.79	20	
trans-1,2-Dichloroethene	34.750	5.0	40.00	0	86.9	62	139	32.76	5.90	20	
Trichloroethene	38.470	5.0	40.00	0	96.2	63	134	36.38	5.58	20	
Trichlorofluoromethane	37.680	5.0	40.00	0	94.2	34	179	34.59	8.55	20	
Vinyl chloride	38.710	5.0	40.00	0	96.8	57	136	35.07	9.87	20	
Surr: 1,2-Dichloroethane-d4	50.190		50.00		100	63	139		0		
Surr: 4-Bromofluorobenzene	41.290		50.00		82.6	75	124		0		
Surr: Dibromofluoromethane	49.460		50.00		98.9	70	133		0		
Surr: Toluene-d8	45.000		50.00		90.0	80	123		0		

Sample ID: <b>N011054-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649036</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	40.330	5.0	40.00	0	101	58	149				
1,1,1-Trichloroethane	39.350	5.0	40.00	0	98.4	67	126				
1,1,2,2-Tetrachloroethane	36.770	5.0	40.00	0	91.9	18	193				
1,1,2-Trichloroethane	39.880	5.0	40.00	0	99.7	70	136				
1,1-Dichloroethane	40.300	5.0	40.00	0	101	65	134				
1,1-Dichloroethene	39.960	5.0	40.00	0	99.9	61	135				
1,1-Dichloropropene	36.830	5.0	40.00	0	92.1	68	125				
1,2,3-Trichlorobenzene	41.350	5.0	40.00	0	103	40	134				
1,2,3-Trichloropropane	36.550	5.0	40.00	0	91.4	38	167				
1,2,4-Trichlorobenzene	41.250	5.0	40.00	0	103	40	132				
1,2,4-Trimethylbenzene	37.070	5.0	40.00	0	92.7	58	123				
1,2-Dibromo-3-chloropropane	36.340	10	40.00	0	90.9	30	181				
1,2-Dibromoethane	40.580	5.0	40.00	0	101	67	139				
1,2-Dichlorobenzene	39.630	5.0	40.00	0	99.1	65	122				
1,2-Dichloroethane	41.420	5.0	40.00	0	104	63	149				
1,2-Dichloropropane	39.980	5.0	40.00	0	100	69	127				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011054-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649036</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	36.610	5.0	40.00	0	91.5	58	122				
1,3-Dichlorobenzene	39.390	5.0	40.00	0	98.5	64	120				
1,3-Dichloropropane	38.700	5.0	40.00	0	96.8	64	141				
1,4-Dichlorobenzene	39.630	5.0	40.00	0	99.1	62	122				
2,2-Dichloropropane	39.540	5.0	40.00	0	98.8	62	138				
2-Chlorotoluene	37.300	5.0	40.00	0	93.3	59	124				
4-Chlorotoluene	37.370	5.0	40.00	0	93.4	60	123				
4-Isopropyltoluene	36.900	5.0	40.00	0	92.2	50	124				
Benzene	38.850	5.0	40.00	0	97.1	72	122				
Bromobenzene	40.340	5.0	40.00	0	101	64	129				
Bromodichloromethane	41.650	5.0	40.00	0	104	67	142				
Bromoform	41.110	5.0	40.00	0	103	35	192				
Bromomethane	53.990	5.0	40.00	0	135	62	150				
Carbon tetrachloride	37.910	5.0	40.00	0	94.8	56	142				
Chlorobenzene	39.240	5.0	40.00	0	98.1	71	120				
Chloroethane	43.070	5.0	40.00	0	108	55	149				
Chloroform	40.910	5.0	40.00	0	102	70	135				
Chloromethane	44.530	5.0	40.00	0	111	37	151				
cis-1,2-Dichloroethene	40.650	5.0	40.00	0	102	69	131				
cis-1,3-Dichloropropene	39.310	5.0	40.00	0	98.3	71	129				
Dibromochloromethane	41.200	5.0	40.00	0	103	53	161				
Dibromomethane	41.170	5.0	40.00	0	103	66	145				
Dichlorodifluoromethane	48.440	5.0	40.00	0	121	52	135				
Ethylbenzene	36.890	5.0	40.00	0	92.2	65	120				
Hexachlorobutadiene	38.450	5.0	40.00	0	96.1	22	135				
Isopropylbenzene	36.380	5.0	40.00	0	91.0	60	121				
m,p-Xylene	73.940	10	80.00	0	92.4	65	120				
Methylene chloride	44.420	5.0	40.00	0	111	55	138				
MTBE	40.180	5.0	40.00	0	100	64	149				
n-Butylbenzene	36.380	5.0	40.00	0	91.0	43	126				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N011054-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>90403</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>Q13VS003</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1649036</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	36.260	5.0	40.00	0	90.7	56	122				
Naphthalene	38.380	5.0	40.00	0	96.0	48	139				
o-Xylene	37.710	5.0	40.00	0	94.3	67	118				
sec-Butylbenzene	35.820	5.0	40.00	0	89.6	50	123				
Styrene	37.810	5.0	40.00	0	94.5	57	129				
tert-Butylbenzene	36.750	5.0	40.00	0	91.9	54	121				
Tetrachloroethene	37.540	5.0	40.00	0	93.8	35	149				
Toluene	38.310	5.0	40.00	0	95.8	68	120				
trans-1,2-Dichloroethene	38.630	5.0	40.00	0	96.6	62	139				
Trichloroethene	39.700	5.0	40.00	0	99.2	63	134				
Trichlorofluoromethane	41.720	5.0	40.00	0	104	34	179				
Vinyl chloride	42.020	5.0	40.00	0	105	57	136				
Surr: 1,2-Dichloroethane-d4	54.470		50.00		109	63	139				
Surr: 4-Bromofluorobenzene	47.870		50.00		95.7	75	124				
Surr: Dibromofluoromethane	53.820		50.00		108	70	133				
Surr: Toluene-d8	49.050		50.00		98.1	80	123				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

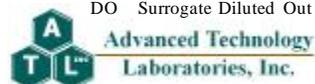
TestCode: 8270SOIL\_SIM

Sample ID: <b>LCS-43898</b>	SampType: <b>LCS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647664</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	23.333	5.0	33.30	0	70.1	44	127				
Acenaphthene	23.667	5.0	33.30	0	71.1	50	125				
Acenaphthylene	23.333	5.0	33.30	0	70.1	52	125				
Anthracene	27.667	5.0	33.30	0	83.1	46	133				
Benzo(a)anthracene	29.333	5.0	33.30	0	88.1	63	141				
Benzo(a)pyrene	29.333	5.0	33.30	0	88.1	63	139				
Benzo(b)fluoranthene	32.333	5.0	33.30	0	97.1	63	151				
Benzo(g,h,i)perylene	29.000	5.0	33.30	0	87.1	59	148				
Benzo(k)fluoranthene	30.000	5.0	33.30	0	90.1	61	151				
Chrysene	28.667	5.0	33.30	0	86.1	68	139				
Dibenz(a,h)anthracene	30.000	5.0	33.30	0	90.1	59	146				
Fluoranthene	29.333	5.0	33.30	0	88.1	67	135				
Fluorene	24.333	5.0	33.30	0	73.1	50	131				
Indeno(1,2,3-cd)pyrene	30.000	5.0	33.30	0	90.1	59	142				
Naphthalene	22.333	5.0	33.30	0	67.1	45	125				
Phenanthrene	25.000	5.0	33.30	0	75.1	54	125				
Pyrene	28.333	5.0	33.30	0	85.1	66	132				
Surr: 1,2-Dichlorobenzene-d4	18.667		33.30		56.1	14	120				
Surr: 2-Fluorobiphenyl	21.000		33.30		63.1	28	130				
Surr: 4-Terphenyl-d14	28.667		33.30		86.1	19	165				
Surr: Nitrobenzene-d5	22.333		33.30		67.1	23	150				

Sample ID: <b>N011008-021A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647665</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	84.109	5.0	132.9	0	63.3	44	127				
Acenaphthene	90.426	5.0	132.9	0	68.0	50	125				
Acenaphthylene	108.045	5.0	132.9	1.332	80.3	52	125				
Anthracene	164.894	5.0	132.9	2.332	122	46	133				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOIL\_SIM

Sample ID: N011008-021A-MS		SampType: MS		TestCode: 8270SOIL_SI		Units: µg/Kg		Prep Date: 9/18/2013		RunNo: 90365	
Client ID: ZZZZZZ		Batch ID: 43898		TestNo: EPA 8270CSI EPA 3550B				Analysis Date: 9/18/2013		SeqNo: 1647665	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	184.840	5.0	132.9	5.330	135	63	141				
Benzo(a)pyrene	177.194	5.0	132.9	9.993	126	63	139				
Benzo(b)fluoranthene	172.872	5.0	132.9	17.65	117	63	151				
Benzo(g,h,i)perylene	82.779	5.0	132.9	3.664	59.5	59	148				
Benzo(k)fluoranthene	134.973	5.0	132.9	4.997	97.8	61	151				
Chrysene	174.867	5.0	132.9	19.32	117	68	139				
Dibenz(a,h)anthracene	79.455	5.0	132.9	0	59.8	59	146				
Fluoranthene	251.995	5.0	132.9	14.99	178	67	135				S
Fluorene	120.346	5.0	132.9	0	90.5	50	131				
Indeno(1,2,3-cd)pyrene	92.753	5.0	132.9	1.999	68.3	59	142				
Naphthalene	80.785	5.0	132.9	0	60.8	45	125				
Phenanthrene	319.814	5.0	132.9	7.662	235	54	125				SE
Pyrene	299.535	5.0	132.9	21.65	209	66	132				SE
Surr: 1,2-Dichlorobenzene-d4	12.633		33.21		38.0	14	120				
Surr: 2-Fluorobiphenyl	17.620		33.21		53.1	28	130				
Surr: 4-Terphenyl-d14	24.269		33.21		73.1	19	165				
Surr: Nitrobenzene-d5	17.620		33.21		53.1	23	150				

Sample ID: N011008-021A-MSD		SampType: MSD		TestCode: 8270SOIL_SI		Units: µg/Kg		Prep Date: 9/18/2013		RunNo: 90365	
Client ID: ZZZZZZ		Batch ID: 43898		TestNo: EPA 8270CSI EPA 3550B				Analysis Date: 9/18/2013		SeqNo: 1647666	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	56.371	5.0	133.4	0	42.3	44	127	84.11	39.5	20	SR
Acenaphthene	67.712	5.0	133.4	0	50.8	50	125	90.43	28.7	20	R
Acenaphthylene	67.378	5.0	133.4	1.332	49.5	52	125	108.0	46.4	20	SR
Anthracene	99.733	5.0	133.4	2.332	73.0	46	133	164.9	49.2	20	R
Benzo(a)anthracene	122.748	5.0	133.4	5.330	88.0	63	141	184.8	40.4	20	R
Benzo(a)pyrene	138.759	5.0	133.4	9.993	96.5	63	139	177.2	24.3	20	R
Benzo(b)fluoranthene	132.088	5.0	133.4	17.65	85.8	63	151	172.9	26.7	20	R
Benzo(g,h,i)perylene	78.052	5.0	133.4	3.664	55.8	59	148	82.78	5.88	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

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CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOIL\_SIM

Sample ID: <b>N011008-021A-MSD</b> SampType: <b>MSD</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>					
Client ID: <b>ZZZZZ</b> Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>		SeqNo: <b>1647666</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	129.420	5.0	133.4	4.997	93.3	61	151	135.0	4.20	20	
Chrysene	115.077	5.0	133.4	19.32	71.8	68	139	174.9	41.2	20	R
Dibenz(a,h)anthracene	71.714	5.0	133.4	0	53.8	59	146	79.45	10.2	20	S
Fluoranthene	180.454	5.0	133.4	14.99	124	67	135	252.0	33.1	20	R
Fluorene	72.382	5.0	133.4	0	54.3	50	131	120.3	49.8	20	R
Indeno(1,2,3-cd)pyrene	85.057	5.0	133.4	1.999	62.3	59	142	92.75	8.66	20	
Naphthalene	48.699	5.0	133.4	0	36.5	45	125	80.78	49.6	20	SR
Phenanthrene	104.069	5.0	133.4	7.662	72.3	54	125	319.8	102	20	R
Pyrene	212.809	5.0	133.4	21.65	143	66	132	299.5	33.9	20	SR
Surr: 1,2-Dichlorobenzene-d4	6.671		33.32		20.0	14	120		0		
Surr: 2-Fluorobiphenyl	10.674		33.32		32.0	28	130		0		
Surr: 4-Terphenyl-d14	20.347		33.32		61.1	19	165		0		
Surr: Nitrobenzene-d5	9.673		33.32		29.0	23	150		0		

Sample ID: <b>MB1-43898</b> SampType: <b>MBLK</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>					
Client ID: <b>PBS</b> Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>		SeqNo: <b>1647667</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB1-43898</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647667</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	13.333		33.30		40.0	14	120				
Surr: 2-Fluorobiphenyl	16.667		33.30		50.1	28	130				
Surr: 4-Terphenyl-d14	25.333		33.30		76.1	19	165				
Surr: Nitrobenzene-d5	17.000		33.30		51.1	23	150				

Sample ID: <b>N011008-022A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647673</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						0	0	20	
Acenaphthene	3.329	5.0						3.322	0	20	
Acenaphthylene	10.985	5.0						23.26	71.7	20	R
Anthracene	19.640	5.0						134.9	149	20	R
Fluoranthene	74.900	5.0						480.1	146	20	R
Fluorene	3.329	5.0						22.26	0	20	
Naphthalene	ND	5.0						2.990	0	20	
Phenanthrene	73.569	5.0						297.3	121	20	R
Pyrene	93.542	5.0						503.3	137	20	R
Surr: 1,2-Dichlorobenzene-d4	13.316		33.26		40.0	14	120		0		
Surr: 2-Fluorobiphenyl	17.643		33.26		53.1	28	130		0		
Surr: Nitrobenzene-d5	19.308		33.26		58.1	23	150		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB2-43898</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/18/2013</b>	SeqNo: <b>1647680</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	17.000		33.30		51.1	14	120				
Surr: 2-Fluorobiphenyl	19.667		33.30		59.1	28	130				
Surr: 4-Terphenyl-d14	26.667		33.30		80.1	19	165				
Surr: Nitrobenzene-d5	21.333		33.30		64.1	23	150				

Sample ID: <b>N011009-018A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90365</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1647686</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						0	0	20	
Acenaphthene	2.999	5.0						4.345	0	20	
Acenaphthylene	38.321	5.0						28.74	28.6	20	R
Anthracene	42.319	5.0						33.76	22.5	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-018A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1647686</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	9.997	5.0						8.021	21.9	20	R
Naphthalene	4.332	5.0						3.342	0	20	
Phenanthrene	196.601	5.0						177.1	10.4	20	
Surr: 1,2-Dichlorobenzene-d4	16.328		33.29		49.0	14	120		0		
Surr: 2-Fluorobiphenyl	19.327		33.29		58.1	28	130		0		
Surr: Nitrobenzene-d5	22.659		33.29		68.1	23	150		0		

Sample ID: <b>N011009-017A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90365</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1647692</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	108.478	5.0	133.5	0	81.3	44	127				
Acenaphthene	107.143	5.0	133.5	1.994	78.8	50	125				
Acenaphthylene	161.883	5.0	133.5	36.89	93.6	52	125				
Anthracene	164.219	5.0	133.5	35.56	96.4	46	133				
Fluorene	126.168	5.0	133.5	7.976	88.5	50	131				
Naphthalene	100.467	5.0	133.5	5.317	71.3	45	125				
Surr: 1,2-Dichlorobenzene-d4	16.021		133.5		12.0	14	120				S
Surr: 2-Fluorobiphenyl	22.029		33.34		66.1	28	130				
Surr: Nitrobenzene-d5	24.700		33.34		74.1	23	150				

Sample ID: <b>N011008-022A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/18/2013</b>		RunNo: <b>90384</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43898</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>		SeqNo: <b>1648144</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	46.605	50						272.8	0	20	
Benzo(a)pyrene	46.605	50						251.2	0	20	
Benzo(b)fluoranthene	39.947	50						361.5	0	20	
Benzo(g,h,i)perylene	33.289	50						27.24	0	20	
Benzo(k)fluoranthene	16.644	50						156.8	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011008-022A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90384</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>	SeqNo: <b>1648144</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	39.947	50						270.1	0	20	
Dibenz(a,h)anthracene	ND	50						9.967	0	20	
Indeno(1,2,3-cd)pyrene	23.302	50						29.57	0	20	
Surr: 4-Terphenyl-d14	29.960		33.26		90.1	19	165		0		

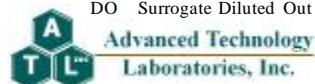
Sample ID: <b>N011009-018A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90392</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>	SeqNo: <b>1648506</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	219.927	50						337.6	42.2	20	R
Chrysene	283.239	50						431.1	41.4	20	R
Surr: 4-Terphenyl-d14	26.658		33.29		80.1	19	165		0		

Sample ID: <b>N011009-017A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90392</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>	SeqNo: <b>1648512</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	327.103	50	133.5	192.8	101	63	141				
Chrysene	400.534	50	133.5	255.9	108	68	139				
Surr: 4-Terphenyl-d14	33.378		33.34		100	19	165				

Sample ID: <b>N011009-018A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90408</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649057</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	619.793	100						707.2	13.2	20	
Benzo(b)fluoranthene	493.169	100						929.5	61.3	20	R
Benzo(g,h,i)perylene	519.827	100						284.4	58.5	20	R
Benzo(k)fluoranthene	206.598	100						257.7	22.0	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-018A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90408</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649057</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	26.658	100						29.75	0	20	
Indeno(1,2,3-cd)pyrene	233.256	100						161.4	36.4	20	R

Sample ID: <b>N011009-017A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/18/2013</b>	RunNo: <b>90408</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43898</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649130</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	634.179	100	133.5	511.8	91.7	63	139				
Benzo(b)fluoranthene	587.450	100	133.5	458.6	96.5	63	151				
Benzo(g,h,i)perylene	567.423	100	133.5	332.3	176	59	148				S
Benzo(k)fluoranthene	280.374	100	133.5	162.8	88.1	61	151				
Dibenz(a,h)anthracene	120.160	100	133.5	19.94	75.1	59	146				
Indeno(1,2,3-cd)pyrene	320.427	100	133.5	159.5	121	59	142				

**Qualifiers:**

- |   |  |  |
|---|--|--|
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| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>LCS-43910</b>	SampType: <b>LCS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90377</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648013</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	26.333	5.0	33.30	0	79.1	44	127				
Acenaphthene	26.000	5.0	33.30	0	78.1	50	125				
Acenaphthylene	25.333	5.0	33.30	0	76.1	52	125				
Anthracene	28.333	5.0	33.30	0	85.1	46	133				
Benzo(a)anthracene	29.333	5.0	33.30	0	88.1	63	141				
Benzo(a)pyrene	29.333	5.0	33.30	0	88.1	63	139				
Benzo(b)fluoranthene	31.667	5.0	33.30	0	95.1	63	151				
Benzo(g,h,i)perylene	27.000	5.0	33.30	0	81.1	59	148				
Benzo(k)fluoranthene	30.000	5.0	33.30	0	90.1	61	151				
Chrysene	29.000	5.0	33.30	0	87.1	68	139				
Dibenz(a,h)anthracene	28.667	5.0	33.30	0	86.1	59	146				
Fluoranthene	29.333	5.0	33.30	0	88.1	67	135				
Fluorene	26.333	5.0	33.30	0	79.1	50	131				
Indeno(1,2,3-cd)pyrene	28.667	5.0	33.30	0	86.1	59	142				
Naphthalene	25.000	5.0	33.30	0	75.1	45	125				
Phenanthrene	25.000	5.0	33.30	0	75.1	54	125				
Pyrene	28.333	5.0	33.30	0	85.1	66	132				
Surr: 1,2-Dichlorobenzene-d4	19.000		33.30		57.1	14	120				
Surr: 2-Fluorobiphenyl	21.333		33.30		64.1	28	130				
Surr: 4-Terphenyl-d14	27.333		33.30		82.1	19	165				
Surr: Nitrobenzene-d5	25.333		33.30		76.1	23	150				

Sample ID: <b>N011009-028A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90377</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648014</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	94.051	5.0	132.9	0	70.8	44	127				
Acenaphthene	94.051	5.0	132.9	1.338	69.8	50	125				
Acenaphthylene	92.722	5.0	132.9	1.338	68.8	52	125				
Anthracene	105.351	5.0	132.9	0	79.3	46	133				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: Geocon Consultants, Inc.  
 Work Order: N011009  
 Project: 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8270SOIL\_SIM

Sample ID: N011009-028A-MS		SampType: MS		TestCode: 8270SOIL_SI		Units: µg/Kg		Prep Date: 9/19/2013		RunNo: 90377	
Client ID: ZZZZZZ		Batch ID: 43910		TestNo: EPA 8270CSI EPA 3550B				Analysis Date: 9/19/2013		SeqNo: 1648014	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	106.348	5.0	132.9	2.676	78.0	63	141				
Benzo(a)pyrene	105.018	5.0	132.9	3.344	76.5	63	139				
Benzo(b)fluoranthene	114.656	5.0	132.9	6.355	81.5	63	151				
Benzo(g,h,i)perylene	71.452	5.0	132.9	1.672	52.5	59	148				S
Benzo(k)fluoranthene	109.671	5.0	132.9	1.672	81.3	61	151				
Chrysene	102.692	5.0	132.9	4.013	74.2	68	139				
Dibenz(a,h)anthracene	81.422	5.0	132.9	0	61.3	59	146				
Fluoranthene	113.327	5.0	132.9	5.017	81.5	67	135				
Fluorene	96.710	5.0	132.9	0	72.8	50	131				
Indeno(1,2,3-cd)pyrene	81.422	5.0	132.9	0	61.3	59	142				
Naphthalene	87.404	5.0	132.9	2.341	64.0	45	125				
Phenanthrene	100.033	5.0	132.9	2.341	73.5	54	125				
Pyrene	109.006	5.0	132.9	5.686	77.7	66	132				
Surr: 1,2-Dichlorobenzene-d4	12.629		33.20		38.0	14	120				
Surr: 2-Fluorobiphenyl	18.611		33.20		56.1	28	130				
Surr: 4-Terphenyl-d14	20.273		33.20		61.1	19	165				
Surr: Nitrobenzene-d5	24.925		33.20		75.1	23	150				

Sample ID: N011009-028A-MSD		SampType: MSD		TestCode: 8270SOIL_SI		Units: µg/Kg		Prep Date: 9/19/2013		RunNo: 90377	
Client ID: ZZZZZZ		Batch ID: 43910		TestNo: EPA 8270CSI EPA 3550B				Analysis Date: 9/19/2013		SeqNo: 1648015	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	104.348	5.0	133.7	0	78.0	44	127	94.05	10.4	20	
Acenaphthene	102.341	5.0	133.7	1.338	75.5	50	125	94.05	8.44	20	
Acenaphthylene	103.679	5.0	133.7	1.338	76.5	52	125	92.72	11.2	20	
Anthracene	111.371	5.0	133.7	0	83.3	46	133	105.4	5.56	20	
Benzo(a)anthracene	117.057	5.0	133.7	2.676	85.5	63	141	106.3	9.59	20	
Benzo(a)pyrene	116.054	5.0	133.7	3.344	84.3	63	139	105.0	9.98	20	
Benzo(b)fluoranthene	126.087	5.0	133.7	6.355	89.5	63	151	114.7	9.50	20	
Benzo(g,h,i)perylene	57.860	5.0	133.7	1.672	42.0	59	148	71.45	21.0	20	SR

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-028A-MSD</b> SampType: <b>MSD</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90377</b>					
Client ID: <b>ZZZZZ</b> Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1648015</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	127.425	5.0	133.7	1.672	94.0	61	151	109.7	15.0	20	
Chrysene	113.712	5.0	133.7	4.013	82.0	68	139	102.7	10.2	20	
Dibenz(a,h)anthracene	69.231	5.0	133.7	0	51.8	59	146	81.42	16.2	20	S
Fluoranthene	121.405	5.0	133.7	5.017	87.0	67	135	113.3	6.88	20	
Fluorene	106.355	5.0	133.7	0	79.5	50	131	96.71	9.50	20	
Indeno(1,2,3-cd)pyrene	69.565	5.0	133.7	0	52.0	59	142	81.42	15.7	20	S
Naphthalene	98.997	5.0	133.7	2.341	72.3	45	125	87.40	12.4	20	
Phenanthrene	107.358	5.0	133.7	2.341	78.5	54	125	100.0	7.06	20	
Pyrene	124.749	5.0	133.7	5.686	89.0	66	132	109.0	13.5	20	
Surr: 1,2-Dichlorobenzene-d4	16.388		33.41		49.0	14	120		0		
Surr: 2-Fluorobiphenyl	20.401		33.41		61.1	28	130		0		
Surr: 4-Terphenyl-d14	20.401		33.41		61.1	19	165		0		
Surr: Nitrobenzene-d5	25.753		33.41		77.1	23	150		0		

Sample ID: <b>MB1-43910</b> SampType: <b>MBLK</b>		TestCode: <b>8270SOIL_SI</b> Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90377</b>					
Client ID: <b>PBS</b> Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>		SeqNo: <b>1648016</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB1-43910</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90377</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/19/2013</b>	SeqNo: <b>1648016</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	16.667		33.30		50.1	14	120				
Surr: 2-Fluorobiphenyl	19.333		33.30		58.1	28	130				
Surr: 4-Terphenyl-d14	27.667		33.30		83.1	19	165				
Surr: Nitrobenzene-d5	23.000		33.30		69.1	23	150				

Sample ID: <b>N011009-052A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90378</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648036</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						6.649	0	20	
Acenaphthene	2.326	5.0						6.981	0	20	
Acenaphthylene	52.492	5.0						27.59	62.2	20	R
Anthracene	43.522	5.0						30.25	36.0	20	R
Fluorene	7.973	5.0						9.309	15.5	20	
Naphthalene	5.980	5.0						7.314	20.1	20	R
Phenanthrene	262.458	5.0						203.1	25.5	20	R
Surr: 1,2-Dichlorobenzene-d4	13.621		33.19		41.0	14	120		0		
Surr: 2-Fluorobiphenyl	17.940		33.19		54.1	28	130		0		
Surr: Nitrobenzene-d5	15.947		33.19		48.0	23	150		0		

Sample ID: <b>MB2-43910</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90383</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648121</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB2-43910</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90383</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648121</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	18.000		33.30		54.1	14	120				
Surr: 2-Fluorobiphenyl	17.667		33.30		53.1	28	130				
Surr: 4-Terphenyl-d14	27.667		33.30		83.1	19	165				
Surr: Nitrobenzene-d5	17.667		33.30		53.1	23	150				

Sample ID: <b>N011009-033A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90383</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648125</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	10						0	0	20	
Acenaphthene	ND	10						0	0	20	
Acenaphthylene	8.000	10						0	0	20	
Anthracene	10.667	10						0	0	20	
Benzo(a)anthracene	56.000	10						0	0	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-033A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90383</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648125</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	78.667	10						0	0	20	
Fluoranthene	156.667	10						0	0	20	
Fluorene	2.667	10						0	0	20	
Naphthalene	ND	10						0	0	20	
Phenanthrene	64.000	10						0	0	20	
Pyrene	242.000	10						0	0	20	
Surr: 1,2-Dichlorobenzene-d4	18.000		33.30		54.1	14	120		0		
Surr: 2-Fluorobiphenyl	16.000		33.30		48.0	28	130		0		
Surr: 4-Terphenyl-d14	23.333		33.30		70.1	19	165		0		
Surr: Nitrobenzene-d5	18.667		33.30		56.1	23	150		0		

Sample ID: <b>N011009-033A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90402</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>		SeqNo: <b>1648972</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	153.333	50						46.74	107	20	R
Benzo(b)fluoranthene	173.333	50						73.46	80.9	20	R
Benzo(g,h,i)perylene	116.667	50						33.39	111	20	R
Benzo(k)fluoranthene	70.000	50						26.71	89.5	20	R
Dibenz(a,h)anthracene	16.667	50						0	0	20	
Indeno(1,2,3-cd)pyrene	70.000	50						23.37	99.9	20	R

Sample ID: <b>N011009-052A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90402</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>		SeqNo: <b>1648981</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	249.169	50						169.5	38.0	20	R
Benzo(a)pyrene	833.887	50						541.9	42.4	20	R
Benzo(b)fluoranthene	607.973	50						382.3	45.6	20	R
Benzo(g,h,i)perylene	700.997	50						458.8	41.8	20	R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-052A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90402</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>		SeqNo: <b>1648981</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	242.525	50						162.9	39.3	20	R
Chrysene	328.904	50						216.1	41.4	20	R
Dibenz(a,h)anthracene	26.578	50						16.62	0	20	
Fluoranthene	906.977	50						678.2	28.9	20	R
Indeno(1,2,3-cd)pyrene	259.136	50						172.9	39.9	20	R
Pyrene	1973.422	50						1403	33.8	20	R
Surr: 4-Terphenyl-d14	33.223		33.19		100	19	165		0		

Sample ID: <b>N011009-052A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/19/2013</b>		RunNo: <b>90402</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43910</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>		SeqNo: <b>1648988</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	63.397	50	133.4	6.649	42.5	44	127				S
Acenaphthene	83.417	50	133.4	6.981	57.3	50	125				
Acenaphthylene	113.447	50	133.4	27.59	64.3	52	125				
Anthracene	116.783	50	133.4	30.25	64.8	46	133				
Benzo(a)anthracene	243.577	50	133.4	148.6	71.2	63	141				
Chrysene	286.954	50	133.4	189.2	73.3	68	139				
Fluoranthene	720.721	50	133.4	540.9	135	67	135				
Fluorene	83.417	50	133.4	9.309	55.5	50	131				
Naphthalene	73.407	50	133.4	7.314	49.5	45	125				
Phenanthrene	276.944	50	133.4	203.1	55.3	54	125				
Pyrene	1404.738	50	133.4	1019	289	66	132				S
Surr: 1,2-Dichlorobenzene-d4	20.020		33.33		60.1	14	120				
Surr: 2-Fluorobiphenyl	13.347		33.33		40.0	28	130				
Surr: 4-Terphenyl-d14	23.357		33.33		70.1	19	165				
Surr: Nitrobenzene-d5	13.347		33.33		40.0	23	150				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-052A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/19/2013</b>	RunNo: <b>90413</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43910</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>	SeqNo: <b>1649137</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	567.234	100	133.4	541.9	19.0	63	139				S
Benzo(b)fluoranthene	393.727	100	133.4	382.3	8.55	63	151				S
Benzo(g,h,i)perylene	700.701	100	133.4	458.8	181	59	148				S
Benzo(k)fluoranthene	220.220	100	133.4	162.9	43.0	61	151				S
Dibenz(a,h)anthracene	80.080	100	133.4	16.62	47.6	59	146				S
Indeno(1,2,3-cd)pyrene	280.280	100	133.4	172.9	80.5	59	142				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>LCS-43920</b>	SampType: <b>LCS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/20/2013</b>	SeqNo: <b>1648103</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	22.667	5.0	33.30	0	68.1	44	127				
Acenaphthene	26.333	5.0	33.30	0	79.1	50	125				
Acenaphthylene	25.000	5.0	33.30	0	75.1	52	125				
Anthracene	30.333	5.0	33.30	0	91.1	46	133				
Benzo(a)anthracene	29.333	5.0	33.30	0	88.1	63	141				
Benzo(a)pyrene	30.333	5.0	33.30	0	91.1	63	139				
Benzo(b)fluoranthene	30.000	5.0	33.30	0	90.1	63	151				
Benzo(g,h,i)perylene	28.667	5.0	33.30	0	86.1	59	148				
Benzo(k)fluoranthene	34.000	5.0	33.30	0	102	61	151				
Chrysene	30.667	5.0	33.30	0	92.1	68	139				
Dibenz(a,h)anthracene	30.667	5.0	33.30	0	92.1	59	146				
Fluoranthene	31.000	5.0	33.30	0	93.1	67	135				
Fluorene	26.333	5.0	33.30	0	79.1	50	131				
Indeno(1,2,3-cd)pyrene	30.333	5.0	33.30	0	91.1	59	142				
Naphthalene	22.333	5.0	33.30	0	67.1	45	125				
Phenanthrene	25.000	5.0	33.30	0	75.1	54	125				
Pyrene	30.333	5.0	33.30	0	91.1	66	132				
Surr: 1,2-Dichlorobenzene-d4	17.667		33.30		53.1	14	120				
Surr: 2-Fluorobiphenyl	20.000		33.30		60.1	28	130				
Surr: 4-Terphenyl-d14	28.667		33.30		86.1	19	165				
Surr: Nitrobenzene-d5	18.333		33.30		55.1	23	150				

Sample ID: <b>MB1-43920</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648104</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

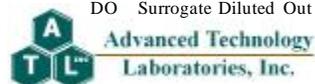
**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB1-43920</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648104</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	14.667		33.30		44.0	14	120				
Surr: 2-Fluorobiphenyl	15.000		33.30		45.0	28	130				
Surr: 4-Terphenyl-d14	25.000		33.30		75.1	19	165				
Surr: Nitrobenzene-d5	15.000		33.30		45.0	23	150				

Sample ID: <b>MB2-43920</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648105</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0									
Acenaphthene	ND	5.0									
Acenaphthylene	ND	5.0									
Anthracene	ND	5.0									
Benzo(a)anthracene	ND	5.0									
Benzo(a)pyrene	ND	5.0									
Benzo(b)fluoranthene	ND	5.0									
Benzo(g,h,i)perylene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

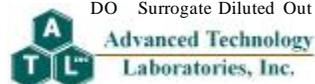
**TestCode: 8270SOIL\_SIM**

Sample ID: <b>MB2-43920</b>	SampType: <b>MBLK</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>PBS</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648105</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	5.0									
Chrysene	ND	5.0									
Dibenz(a,h)anthracene	ND	5.0									
Fluoranthene	ND	5.0									
Fluorene	ND	5.0									
Indeno(1,2,3-cd)pyrene	ND	5.0									
Naphthalene	ND	5.0									
Phenanthrene	ND	5.0									
Pyrene	ND	5.0									
Surr: 1,2-Dichlorobenzene-d4	12.000		33.30		36.0	14	120				
Surr: 2-Fluorobiphenyl	12.667		33.30		38.0	28	130				
Surr: 4-Terphenyl-d14	26.000		33.30		78.1	19	165				
Surr: Nitrobenzene-d5	12.333		33.30		37.0	23	150				

Sample ID: <b>N011009-066A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648108</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	5.0						2.992	0	20	
Acenaphthene	ND	5.0						0	0	20	
Acenaphthylene	1.332	5.0						2.992	0	20	
Anthracene	1.665	5.0						2.992	0	20	
Benzo(a)anthracene	8.325	5.0						9.309	11.2	20	
Chrysene	13.986	5.0						21.94	44.3	20	R
Fluoranthene	14.652	5.0						13.30	9.69	20	
Fluorene	ND	5.0						1.662	0	20	
Naphthalene	ND	5.0						2.327	0	20	
Phenanthrene	8.991	5.0						11.30	22.8	20	R
Pyrene	16.317	5.0						17.29	5.77	20	
Surr: 1,2-Dichlorobenzene-d4	11.655		33.27		35.0	14	120		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-066A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90381</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648108</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	11.988		33.27		36.0	28	130		0		
Surr: 4-Terphenyl-d14	34.299		33.27		103	19	165		0		
Surr: Nitrobenzene-d5	12.321		33.27		37.0	23	150		0		

Sample ID: <b>N011009-083A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90385</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648152</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	10						0	0	20	
Acenaphthene	ND	10						0	0	20	
Acenaphthylene	ND	10						0	0	20	
Anthracene	2.673	10						5.344	0	20	
Fluoranthene	26.729	10						49.43	59.6	20	R
Fluorene	ND	10						0	0	20	
Naphthalene	ND	10						0	0	20	
Phenanthrene	9.355	10						15.36	0	20	
Pyrene	50.117	10						50.77	1.29	20	
Surr: 1,2-Dichlorobenzene-d4	17.374		33.38		52.1	14	120		0		
Surr: 2-Fluorobiphenyl	16.037		33.38		48.0	28	130		0		
Surr: Nitrobenzene-d5	17.374		33.38		52.1	23	150		0		

Sample ID: <b>N011009-065A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8270SOIL_SI</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/20/2013</b>	RunNo: <b>90385</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>43920</b>	TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>	SeqNo: <b>1648153</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	81.469	10	133.5	0	61.0	44	127				
Acenaphthene	86.144	10	133.5	0	64.5	50	125				
Acenaphthylene	86.144	10	133.5	1.336	63.5	52	125				
Anthracene	98.164	10	133.5	0	73.5	46	133				
Fluoranthene	100.835	10	133.5	33.41	50.5	67	135				S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

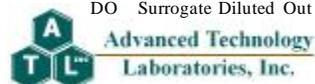
Sample ID: <b>N011009-065A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90385</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648153</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	88.147	10	133.5	1.336	65.0	50	131				
Naphthalene	76.127	10	133.5	0	57.0	45	125				
Phenanthrene	95.492	10	133.5	23.39	54.0	54	125				
Pyrene	96.828	10	133.5	32.41	48.2	66	132				S
Surr: 1,2-Dichlorobenzene-d4	14.691		33.36		44.0	14	120				
Surr: 2-Fluorobiphenyl	14.691		33.36		44.0	28	130				
Surr: Nitrobenzene-d5	15.359		33.36		46.0	23	150				

Sample ID: <b>N011009-065A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90385</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/21/2013</b>		SeqNo: <b>1648154</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	86.869	10	133.6	0	65.0	44	127	81.47	6.42	20	
Acenaphthene	94.888	10	133.6	0	71.0	50	125	86.14	9.66	20	
Acenaphthylene	93.552	10	133.6	1.336	69.0	52	125	86.14	8.25	20	
Anthracene	109.589	10	133.6	0	82.0	46	133	98.16	11.0	20	
Fluoranthene	108.253	10	133.6	33.41	56.0	67	135	100.8	7.10	20	S
Fluorene	98.229	10	133.6	1.336	72.5	50	131	88.15	10.8	20	
Naphthalene	79.519	10	133.6	0	59.5	45	125	76.13	4.36	20	
Phenanthrene	108.253	10	133.6	23.39	63.5	54	125	95.49	12.5	20	
Pyrene	101.570	10	133.6	32.41	51.8	66	132	96.83	4.78	20	S
Surr: 1,2-Dichlorobenzene-d4	15.369		33.38		46.0	14	120		0		
Surr: 2-Fluorobiphenyl	17.374		33.38		52.1	28	130		0		
Surr: Nitrobenzene-d5	17.374		33.38		52.1	23	150		0		

Sample ID: <b>N011009-083A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90393</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>		SeqNo: <b>1648518</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	10	133.3	0	0	44	127				S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

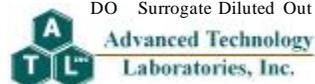
**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-083A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90393</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/22/2013</b>		SeqNo: <b>1648518</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	10	133.3	0	0	50	125				S
Acenaphthylene	ND	10	133.3	0	0	52	125				S
Anthracene	ND	10	133.3	5.344	-4.01	46	133				S
Benzo(a)anthracene	10.663	10	133.3	37.41	-20.1	63	141				S
Chrysene	11.996	10	133.3	39.41	-20.6	68	139				S
Fluoranthene	16.661	10	133.3	49.43	-24.6	67	135				S
Fluorene	ND	10	133.3	0	0	50	131				S
Naphthalene	ND	10	133.3	0	0	45	125				S
Phenanthrene	5.998	10	133.3	15.36	-7.03	54	125				S
Pyrene	17.328	10	133.3	50.77	-25.1	66	132				S
Surr: 1,2-Dichlorobenzene-d4	15.995		33.29		48.0	14	120				
Surr: 2-Fluorobiphenyl	13.995		33.29		42.0	28	130				
Surr: 4-Terphenyl-d14	27.991		33.29		84.1	19	165				
Surr: Nitrobenzene-d5	16.661		33.29		50.1	23	150				

Sample ID: <b>N011009-083A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90407</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>		SeqNo: <b>1649053</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	16.706	50						43.42	0	20	
Benzo(a)pyrene	43.435	50						36.74	0	20	
Benzo(b)fluoranthene	60.140	50						43.42	32.3	20	R
Benzo(g,h,i)perylene	ND	50						0	0	20	
Benzo(k)fluoranthene	23.388	50						26.72	0	20	
Chrysene	23.388	50						43.42	0	20	
Dibenz(a,h)anthracene	ND	50						0	0	20	
Indeno(1,2,3-cd)pyrene	16.706	50						0	0	20	
Surr: 4-Terphenyl-d14	26.729		33.38		80.1	19	165		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8270SOIL\_SIM**

Sample ID: <b>N011009-066A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90409</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>		SeqNo: <b>1649063</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	13.320	50						16.62	0	20	
Benzo(b)fluoranthene	23.310	50						26.60	0	20	
Benzo(g,h,i)perylene	ND	50						16.62	0	20	
Benzo(k)fluoranthene	ND	50						0	0	20	
Dibenz(a,h)anthracene	ND	50						0	0	20	
Indeno(1,2,3-cd)pyrene	ND	50						0	0	20	

Sample ID: <b>N011009-083A-MS</b>		SampType: <b>MS</b>		TestCode: <b>8270SOIL_SI</b>		Units: <b>µg/Kg</b>		Prep Date: <b>9/20/2013</b>		RunNo: <b>90407</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>43920</b>		TestNo: <b>EPA 8270CSI EPA 3550B</b>		Analysis Date: <b>9/23/2013</b>		SeqNo: <b>1649504</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	100	133.3	43.42	-32.6	63	141				S
Benzo(a)pyrene	ND	100	133.3	36.74	-27.6	63	139				S
Benzo(b)fluoranthene	ND	100	133.3	43.42	-32.6	63	151				S
Benzo(g,h,i)perylene	ND	100	133.3	0	0	59	148				S
Benzo(k)fluoranthene	ND	100	133.3	26.72	-20.1	61	151				S
Chrysene	ND	100	133.3	43.42	-32.6	68	139				S
Dibenz(a,h)anthracene	ND	100	133.3	0	0	59	146				S
Indeno(1,2,3-cd)pyrene	ND	100	133.3	0	0	59	142				S
Surr: 4-Terphenyl-d14	26.658		33.29		80.1	19	165				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

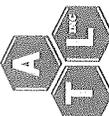


**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691



# CHAIN OF CUSTODY RECORD



**Advanced Technology Laboratories, Inc.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

## FOR LABORATORY USE ONLY:

Method of Transport:  Client  ATL INC  FEDEX  Other: \_\_\_\_\_

Sample Condition Upon Receipt: 1. CHILLED  34,154 4. SEALED  Y  N   
 2. HEADSPACE (VOA)  182 5. # OF SPLS MATCH COC  Y  N   
 3. CONTAINER INTACT  Y  N  6. PRESERVED  Y  N

Logged By: \_\_\_\_\_ Date: \_\_\_\_\_

Address: 3160 Gold Valley Dr #800 TEL: (916) 852-9118  
 City: Rancho Cordova State: CA Zip Code: 95742 FAX: (916) 852-9132  
 Project #: EB560-02-55 Sampler: \_\_\_\_\_ (Printed Name) M. Barber (Signature)  
 Date: 9/12/13 Time: 1600 Received by: \_\_\_\_\_ (Signature and Printed name)  
 Date: 9/12/13 Time: 1600 Relinquished by: \_\_\_\_\_ (Signature and Printed name)  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name)  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name)  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: See page 1

Bill To: \_\_\_\_\_ Attn: \_\_\_\_\_ Co: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Co: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Co: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Circle or Add Analysis(es) Requested: 8200 (VOC) 8200 (BTEX) (MTBE) 8015 (GRO) 8015 (MRO) (Motor Oil/Oil) RCRA8 (6018/7000) LAH17 (7020) LAH17 (7197) LAH17 (7197) PS222 (5224) PS222 (1808) PS222 (1808)

Container(s): \_\_\_\_\_ Type: 1PTC

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Bedlar G=Glass P=Plastic M=Metal

LAB USE ONLY: Batch #:	Lab No.	Sample I.D. / Location	Date	Time	Sample Description
	N01009-11	A4-4	9/10/13	1037	
	-	↓ 7.5		1039	
	-	B1-0		1055	
	-	↓ 5		1057	
	-	↓ 10		1059	
	-	↓ 15.5		1101	
	-	B2-0		1125	
	-	↓ 5		1127	
	-	↓ 10		1129	
	-	↓ 20		1131	

SPECIFY APPROPRIATE MATRIX		TAT	Type	REMARKS
SOIL				
WATER				
GROUND WATER				
WASTEWATER				
PRESERVATION				
RTNE	<input type="checkbox"/>			
CT	<input checked="" type="checkbox"/>			
RWOCB	<input type="checkbox"/>			
LEVEL IV	<input type="checkbox"/>			
OTHER				

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(Ac)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Bedlar G=Glass P=Plastic M=Metal

TAT:  A=Overnight ≤ 24 hr  B=Emergency Next workday  C=Critical 2 Workdays  D=Urgent 3 Workdays  E=Routine 7 Workdays

\*TAT starts 8 a.m. following day if samples received after 3 p.m.

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter







# CHAIN OF CUSTODY RECORD



Advanced Technology Laboratories, Inc.  
3151-3153 W. Post Rd.  
Las Vegas, NV 89118  
Tel: (702) 307-2659 • Fax: (702) 307-2691

## FOR LABORATORY USE ONLY:

Method of Transport  
 Client  
 ATL INC  
 FEDEX  
 Other: \_\_\_\_\_

Sample Condition Upon Receipt  
 1. CHILLED  Y  N  4. SEALED  Y  N   
 2. HEADSPACE (VOA)  Y  N  5. # OF SPLS MATCH DOC  Y  N   
 3. CONTAINER INTACT  Y  N  6. PRESERVED  Y  N

Client: Geocon Address: 3160 Gold Valley Dr #800 State: CA Zip Code: 95742 TEL: (916) 852-9118  
 Attn: R.S. Ivaz City: Rancho Cordova State: CA Zip Code: 95742 FAX: (916) 852-9118  
 Project Name: 800 Cedar St Project #: E8560-02-55 Sampler: \_\_\_\_\_ (Printed Name)  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name) Date: 9/12/13 Time: 1600 Received by: \_\_\_\_\_ (Signature and Printed name) Date: 9/12/13 Time: 1600  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name) Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ (Signature and Printed name) Date: 9/25/13 Time: 1000  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name) Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ (Signature and Printed name) Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: \_\_\_\_\_

Send Report To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Bill To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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 : \$1.00 / ATL workorder / mo (after 1 year)

LAB USE ONLY: Batch #:	Sample Description	Sample I.D. / Location		Date	Time
		Sample I.D.	Location		
1011009-51	D3-0			9/12/13	945
	↓ 4				947
	↓ 7.5				949
	04-0				955
	↓ 4				957
	↓ 7.5				959
	E1-0				1010
	↓ 3				1012
	↓ 6				1014
	601E2-0				1020

Circle or Add Analysis(es) Requested:  
 8260 (NO)  
 8260 (BTEX) (M/TBE)  
 8015 (GRO)  
 8015 (DRO) (Motor Oil/DRO)  
 RCRA8 (6010B/7000)  
 PCB (10)  
 PCB (17, 14, 20)  
 PCB (12) (15)  
 PCB (10) (18)  
 PCB (10) (19)  
 PCB (10) (20)  
 PCB (10) (21)  
 PCB (10) (22)  
 PCB (10) (23)  
 PCB (10) (24)  
 PCB (10) (25)  
 PCB (10) (26)  
 PCB (10) (27)  
 PCB (10) (28)  
 PCB (10) (29)  
 PCB (10) (30)

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Bedlar G=Glass P=Plastic M=Metal  
 TAT:  A=Overnight ≤ 24 hr  B=Emergency Next workday  C=Critical 2 Workdays  D=Urgent 3 Workdays  E=Routine 7 Workdays  
 Preservatives: H=Hcl N=HNO3 S=H2SO4 C=4°C Z=Zn(Ac)2 O=NaOH T=Na2S2O3

# CHAIN OF CUSTODY RECORD

**Advanced Technology Laboratories, Inc.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

## FOR LABORATORY USE ONLY:

Method of Transport  
 Client  ATL INC  FEDEX  Other: \_\_\_\_\_  
 1. CHILLED  2. HEADSPACE (VOA)  3. CONTAINER INTACT  4. SEALED  5. # OF SPLS MATCH COC  6. PRESERVED  Y  N

Sample Condition Upon Receipt  
 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 Address: 3160 Gold Valley Dr #800 TEL: (916) 852-9118  
 Attn: R.S. Iva City: Rancho Cordova State: CA Zip Code: 95742 FAX: (916) 852-9132  
 Project #: F 8560-02-55 Sampler: \_\_\_\_\_ (Printed Name)  
 Date: 9/12/13 Time: 1600 Received by: \_\_\_\_\_ (Signature and Printed name)  
 Date: 9/12/13 Time: 1600 Relinquished by: \_\_\_\_\_ (Signature and Printed name)  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: See page 1  
 I hereby authorize ATL INC to perform the work indicated below:  
 Project Mgr/Submitter: M. O'Brien Date: 9/12/13  
 Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

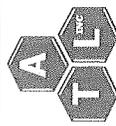
Sample/Records-Archival & Disposal  
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 • Records : \$ 1.00 / ATL workorder / mo (after 1 year)

LAB USE ONLY: Batch #:	Sample Description	Sample I.D. / Location	Date	Time
N01009-01	E2-3	↓ 6	9/12/13	1622
-	E3-0	↓ 3	1024	1035
-	↓ 6	↓ 3	1037	1039
-	E1-0	↓ 3	1110	1112
-	↓ 6	↓ 6	1114	1120
-	C2-0	↓ 3	1122	1122

Circle or Add Analysis(es) Requested:  
 8260 (VOC)  82608 (BTEX, MTBE)  8015 (Petro)  8015 (Petro) (Motor Oil/Oil)  Lead (Pb)  Cadm (Cd)  Cu (Cu)  Fe (Fe)  Ni (Ni)  Zn (Zn)  Mn (Mn)  Cr (Cr)  Hg (Hg)  As (As)  Se (Se)  Sb (Sb)  Bi (Bi)  Pb (Pb)  Tl (Tl)  U (U)  Th (Th)  Pa (Pa)  U-235  U-238  Pu-239  Pu-240  Pu-241  Pu-242  Pu-244  Am-241  Am-243  Cm-247  Cm-248  Cm-249  Cm-250  Cm-251  Cm-252  Cm-253  Cm-254  Cm-255  Cm-256  Cm-257  Cm-258  Cm-259  Cm-260  Cm-261  Cm-262  Cm-263  Cm-264  Cm-265  Cm-266  Cm-267  Cm-268  Cm-269  Cm-270  Cm-271  Cm-272  Cm-273  Cm-274  Cm-275  Cm-276  Cm-277  Cm-278  Cm-279  Cm-280  Cm-281  Cm-282  Cm-283  Cm-284  Cm-285  Cm-286  Cm-287  Cm-288  Cm-289  Cm-290  Cm-291  Cm-292  Cm-293  Cm-294  Cm-295  Cm-296  Cm-297  Cm-298  Cm-299  Cm-300  Cm-301  Cm-302  Cm-303  Cm-304  Cm-305  Cm-306  Cm-307  Cm-308  Cm-309  Cm-310  Cm-311  Cm-312  Cm-313  Cm-314  Cm-315  Cm-316  Cm-317  Cm-318  Cm-319  Cm-320  Cm-321  Cm-322  Cm-323  Cm-324  Cm-325  Cm-326  Cm-327  Cm-328  Cm-329  Cm-330  Cm-331  Cm-332  Cm-333  Cm-334  Cm-335  Cm-336  Cm-337  Cm-338  Cm-339  Cm-340  Cm-341  Cm-342  Cm-343  Cm-344  Cm-345  Cm-346  Cm-347  Cm-348  Cm-349  Cm-350  Cm-351  Cm-352  Cm-353  Cm-354  Cm-355  Cm-356  Cm-357  Cm-358  Cm-359  Cm-360  Cm-361  Cm-362  Cm-363  Cm-364  Cm-365  Cm-366  Cm-367  Cm-368  Cm-369  Cm-370  Cm-371  Cm-372  Cm-373  Cm-374  Cm-375  Cm-376  Cm-377  Cm-378  Cm-379  Cm-380  Cm-381  Cm-382  Cm-383  Cm-384  Cm-385  Cm-386  Cm-387  Cm-388  Cm-389  Cm-390  Cm-391  Cm-392  Cm-393  Cm-394  Cm-395  Cm-396  Cm-397  Cm-398  Cm-399  Cm-400  Cm-401  Cm-402  Cm-403  Cm-404  Cm-405  Cm-406  Cm-407  Cm-408  Cm-409  Cm-410  Cm-411  Cm-412  Cm-413  Cm-414  Cm-415  Cm-416  Cm-417  Cm-418  Cm-419  Cm-420  Cm-421  Cm-422  Cm-423  Cm-424  Cm-425  Cm-426  Cm-427  Cm-428  Cm-429  Cm-430  Cm-431  Cm-432  Cm-433  Cm-434  Cm-435  Cm-436  Cm-437  Cm-438  Cm-439  Cm-440  Cm-441  Cm-442  Cm-443  Cm-444  Cm-445  Cm-446  Cm-447  Cm-448  Cm-449  Cm-450  Cm-451  Cm-452  Cm-453  Cm-454  Cm-455  Cm-456  Cm-457  Cm-458  Cm-459  Cm-460  Cm-461  Cm-462  Cm-463  Cm-464  Cm-465  Cm-466  Cm-467  Cm-468  Cm-469  Cm-470  Cm-471  Cm-472  Cm-473  Cm-474  Cm-475  Cm-476  Cm-477  Cm-478  Cm-479  Cm-480  Cm-481  Cm-482  Cm-483  Cm-484  Cm-485  Cm-486  Cm-487  Cm-488  Cm-489  Cm-490  Cm-491  Cm-492  Cm-493  Cm-494  Cm-495  Cm-496  Cm-497  Cm-498  Cm-499  Cm-500  Cm-501  Cm-502  Cm-503  Cm-504  Cm-505  Cm-506  Cm-507  Cm-508  Cm-509  Cm-510  Cm-511  Cm-512  Cm-513  Cm-514  Cm-515  Cm-516  Cm-517  Cm-518  Cm-519  Cm-520  Cm-521  Cm-522  Cm-523  Cm-524  Cm-525  Cm-526  Cm-527  Cm-528  Cm-529  Cm-530  Cm-531  Cm-532  Cm-533  Cm-534  Cm-535  Cm-536  Cm-537  Cm-538  Cm-539  Cm-540  Cm-541  Cm-542  Cm-543  Cm-544  Cm-545  Cm-546  Cm-547  Cm-548  Cm-549  Cm-550  Cm-551  Cm-552  Cm-553  Cm-554  Cm-555  Cm-556  Cm-557  Cm-558  Cm-559  Cm-560  Cm-561  Cm-562  Cm-563  Cm-564  Cm-565  Cm-566  Cm-567  Cm-568  Cm-569  Cm-570  Cm-571  Cm-572  Cm-573  Cm-574  Cm-575  Cm-576  Cm-577  Cm-578  Cm-579  Cm-580  Cm-581  Cm-582  Cm-583  Cm-584  Cm-585  Cm-586  Cm-587  Cm-588  Cm-589  Cm-590  Cm-591  Cm-592  Cm-593  Cm-594  Cm-595  Cm-596  Cm-597  Cm-598  Cm-599  Cm-600  Cm-601  Cm-602  Cm-603  Cm-604  Cm-605  Cm-606  Cm-607  Cm-608  Cm-609  Cm-610  Cm-611  Cm-612  Cm-613  Cm-614  Cm-615  Cm-616  Cm-617  Cm-618  Cm-619  Cm-620  Cm-621  Cm-622  Cm-623  Cm-624  Cm-625  Cm-626  Cm-627  Cm-628  Cm-629  Cm-630  Cm-631  Cm-632  Cm-633  Cm-634  Cm-635  Cm-636  Cm-637  Cm-638  Cm-639  Cm-640  Cm-641  Cm-642  Cm-643  Cm-644  Cm-645  Cm-646  Cm-647  Cm-648  Cm-649  Cm-650  Cm-651  Cm-652  Cm-653  Cm-654  Cm-655  Cm-656  Cm-657  Cm-658  Cm-659  Cm-660  Cm-661  Cm-662  Cm-663  Cm-664  Cm-665  Cm-666  Cm-667  Cm-668  Cm-669  Cm-670  Cm-671  Cm-672  Cm-673  Cm-674  Cm-675  Cm-676  Cm-677  Cm-678  Cm-679  Cm-680  Cm-681  Cm-682  Cm-683  Cm-684  Cm-685  Cm-686  Cm-687  Cm-688  Cm-689  Cm-690  Cm-691  Cm-692  Cm-693  Cm-694  Cm-695  Cm-696  Cm-697  Cm-698  Cm-699  Cm-700  Cm-701  Cm-702  Cm-703  Cm-704  Cm-705  Cm-706  Cm-707  Cm-708  Cm-709  Cm-710  Cm-711  Cm-712  Cm-713  Cm-714  Cm-715  Cm-716  Cm-717  Cm-718  Cm-719  Cm-720  Cm-721  Cm-722  Cm-723  Cm-724  Cm-725  Cm-726  Cm-727  Cm-728  Cm-729  Cm-730  Cm-731  Cm-732  Cm-733  Cm-734  Cm-735  Cm-736  Cm-737  Cm-738  Cm-739  Cm-740  Cm-741  Cm-742  Cm-743  Cm-744  Cm-745  Cm-746  Cm-747  Cm-748  Cm-749  Cm-750  Cm-751  Cm-752  Cm-753  Cm-754  Cm-755  Cm-756  Cm-757  Cm-758  Cm-759  Cm-760  Cm-761  Cm-762  Cm-763  Cm-764  Cm-765  Cm-766  Cm-767  Cm-768  Cm-769  Cm-770  Cm-771  Cm-772  Cm-773  Cm-774  Cm-775  Cm-776  Cm-777  Cm-778  Cm-779  Cm-780  Cm-781  Cm-782  Cm-783  Cm-784  Cm-785  Cm-786  Cm-787  Cm-788  Cm-789  Cm-790  Cm-791  Cm-792  Cm-793  Cm-794  Cm-795  Cm-796  Cm-797  Cm-798  Cm-799  Cm-800  Cm-801  Cm-802  Cm-803  Cm-804  Cm-805  Cm-806  Cm-807  Cm-808  Cm-809  Cm-810  Cm-811  Cm-812  Cm-813  Cm-814  Cm-815  Cm-816  Cm-817  Cm-818  Cm-819  Cm-820  Cm-821  Cm-822  Cm-823  Cm-824  Cm-825  Cm-826  Cm-827  Cm-828  Cm-829  Cm-830  Cm-831  Cm-832  Cm-833  Cm-834  Cm-835  Cm-836  Cm-837  Cm-838  Cm-839  Cm-840  Cm-841  Cm-842  Cm-843  Cm-844  Cm-845  Cm-846  Cm-847  Cm-848  Cm-849  Cm-850  Cm-851  Cm-852  Cm-853  Cm-854  Cm-855  Cm-856  Cm-857  Cm-858  Cm-859  Cm-860  Cm-861  Cm-862  Cm-863  Cm-864  Cm-865  Cm-866  Cm-867  Cm-868  Cm-869  Cm-870  Cm-871  Cm-872  Cm-873  Cm-874  Cm-875  Cm-876  Cm-877  Cm-878  Cm-879  Cm-880  Cm-881  Cm-882  Cm-883  Cm-884  Cm-885  Cm-886  Cm-887  Cm-888  Cm-889  Cm-890  Cm-891  Cm-892  Cm-893  Cm-894  Cm-895  Cm-896  Cm-897  Cm-898  Cm-899  Cm-900  Cm-901  Cm-902  Cm-903  Cm-904  Cm-905  Cm-906  Cm-907  Cm-908  Cm-909  Cm-910  Cm-911  Cm-912  Cm-913  Cm-914  Cm-915  Cm-916  Cm-917  Cm-918  Cm-919  Cm-920  Cm-921  Cm-922  Cm-923  Cm-924  Cm-925  Cm-926  Cm-927  Cm-928  Cm-929  Cm-930  Cm-931  Cm-932  Cm-933  Cm-934  Cm-935  Cm-936  Cm-937  Cm-938  Cm-939  Cm-940  Cm-941  Cm-942  Cm-943  Cm-944  Cm-945  Cm-946  Cm-947  Cm-948  Cm-949  Cm-950  Cm-951  Cm-952  Cm-953  Cm-954  Cm-955  Cm-956  Cm-957  Cm-958  Cm-959  Cm-960  Cm-961  Cm-962  Cm-963  Cm-964  Cm-965  Cm-966  Cm-967  Cm-968  Cm-969  Cm-970  Cm-971  Cm-972  Cm-973  Cm-974  Cm-975  Cm-976  Cm-977  Cm-978  Cm-979  Cm-980  Cm-981  Cm-982  Cm-983  Cm-984  Cm-985  Cm-986  Cm-987  Cm-988  Cm-989  Cm-990  Cm-991  Cm-992  Cm-993  Cm-994  Cm-995  Cm-996  Cm-997  Cm-998  Cm-999  Cm-1000  Cm-1001  Cm-1002  Cm-1003  Cm-1004  Cm-1005  Cm-1006  Cm-1007  Cm-1008  Cm-1009  Cm-1010  Cm-1011  Cm-1012  Cm-1013  Cm-1014  Cm-1015  Cm-1016  Cm-1017  Cm-1018  Cm-1019  Cm-1020  Cm-1021  Cm-1022  Cm-1023  Cm-1024  Cm-1025  Cm-1026  Cm-1027  Cm-1028  Cm-1029  Cm-1030  Cm-1031  Cm-1032  Cm-1033  Cm-1034  Cm-1035  Cm-1036  Cm-1037

# CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY:



**Advanced Technology Laboratories, Inc.**  
 3151-3153 W. Post Rd.  
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Method of Transport  
 Client  
 ATL INC  
 FEDEX  
 Other: \_\_\_\_\_

Sample Condition Upon Receipt  
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 2. HEADSPACE (VOA)  Y  N  5. # OF SPLS MATCH OCC  Y  N   
 3. CONTAINER INTACT  Y  N  6. PRESERVED  Y  N

Client: Geacoin Address: 3160 Gold Valley Dr #800 TEL: (916) 852-9118  
 Attn: R. S. Silva City: Rancho Cordova State: CA Zip Code: 95742 FAX: (916) 852-9132  
 Project Name: 800 Cedar St Project #: E8560-02-55 Sampler: \_\_\_\_\_ (Printed Name)  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name) Date: 9/12/13 Time: 1600  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name) Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ (Signature and Printed name) Date: \_\_\_\_\_ Time: \_\_\_\_\_

Special Instructions/Comments: See page 1

Send Report To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**Sample/Records-Archival & Disposal**  
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 • Sample : \$ 2.00 / sample / mo (after 45 days)  
 • Records : \$ 1.00 / ATL workorder / mo (after 1 year)

LAB USE ONLY: Batch #:	Sample Description	Sample I.D. / Location		Date	Time
		Sample I.D.	Location		
N01009-71	C2-6			9/12/13	124
-	C3-0				1140
-	↓ 3				1142
-	↓ 6				1144
-	C4-0				1155
-	↓ 3				1157
-	↓ 6				1159

Circle or Add Analysis(es) Requested:  
 8260 (VOC)  
 8260B (BTEX) (MTBE)  
 8015 (GRO)  
 8015 (PFO)  
 RCRA (601B/7000)  
 Lead (6010)  
 CAN17 (7420)  
 CAN18 (7196)  
 PESTICIDES (CB)  
 (601B/602)  
 WASTEWATER  
 GROUND WATER  
 WATER  
 SOIL

Container(s) Type: 1PITC

RESERVATION

QA/QC  
 RTNE   
 CT   
 RWOCB   
 LEVEL IV   
 OTHER \_\_\_\_\_

REMARKS: Hold

Preservatives:  
 H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(Ac)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

TAT:  A=Overnight ≤ 24 hr  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=Pin J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter

# CHAIN OF CUSTODY RECORD

## FOR LABORATORY USE ONLY:

**Advanced Technology Laboratories**  
 3151 W. Post Road  
 Las Vegas, NV 89118  
 (702) 307-2659 • Fax (702) 307-2691

Client: GEDCON  
 Attn: R. SILVA  
 Address: 3160 GARDEN VALLEY DR. # 800  
 City: RANDOLPH State: CA Zip Code: 95782 TEL: (916) 852-9118  
 Project Name: 800 CEDARST Project #: E8560-02-55 Sampler: O. WALLS (Printed Name)  
 (Signature)  
 Date: 9/12/13 Time: 1230 Date: 9/12/13 Time: 1230  
 Relinquished by: (Signature and Printed Name) [Signature] Received by: (Signature and Printed Name) [Signature] Date: 9/12/13 Time: 1230  
 Relinquished by: (Signature and Printed Name) [Signature] Received by: (Signature and Printed Name) [Signature] Date: 9/12/13 Time: 1230  
 Relinquished by: (Signature and Printed Name) [Signature] Received by: (Signature and Printed Name) [Signature] Date: 9/12/13 Time: 1230

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr /Submitter: M. BAZEN Date: 9/12/13  
 Print Name: [Signature] Signature: [Signature]

Method of Transport: Client  ATL  CA OverN  FEDEX  Other:

Sample Condition Upon Receipt: 1. CHILLED  2. HEADSPACE (VOA)  3. CONTAINER INTACT  4. SEALED  5. # OF SPLS MATCH COC  6. PRESERVED

365.4  
 183

Special Instructions/Comments: See page 1

Bill To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Circle or Add Analysis(es) Requested: \_\_\_\_\_

8200 (NO3) \_\_\_\_\_  
 8200 (TEX) (MTE) \_\_\_\_\_  
 8015 (GR) \_\_\_\_\_  
 8015 (NO3) (Motor Oil/RO) \_\_\_\_\_  
 Lead (6010) \_\_\_\_\_  
 Cd (7170) \_\_\_\_\_  
 Cr (7190) \_\_\_\_\_  
 Pb (7190) \_\_\_\_\_  
 Cu (7190) \_\_\_\_\_  
 Fe (7190) \_\_\_\_\_  
 Ni (7190) \_\_\_\_\_  
 Zn (7190) \_\_\_\_\_  
 Mn (7190) \_\_\_\_\_  
 Hg (7190) \_\_\_\_\_  
 As (7190) \_\_\_\_\_  
 Se (7190) \_\_\_\_\_  
 Br (7190) \_\_\_\_\_  
 I (7190) \_\_\_\_\_  
 Ag (7190) \_\_\_\_\_  
 Au (7190) \_\_\_\_\_  
 Pt (7190) \_\_\_\_\_  
 Pd (7190) \_\_\_\_\_  
 Sn (7190) \_\_\_\_\_  
 Sb (7190) \_\_\_\_\_  
 Te (7190) \_\_\_\_\_  
 Bi (7190) \_\_\_\_\_  
 Mo (7190) \_\_\_\_\_  
 W (7190) \_\_\_\_\_  
 Re (7190) \_\_\_\_\_  
 Os (7190) \_\_\_\_\_  
 Ir (7190) \_\_\_\_\_  
 Rh (7190) \_\_\_\_\_  
 Ru (7190) \_\_\_\_\_  
 Niobium (7190) \_\_\_\_\_  
 Tantalum (7190) \_\_\_\_\_  
 Vanadium (7190) \_\_\_\_\_  
 Chromium (7190) \_\_\_\_\_  
 Manganese (7190) \_\_\_\_\_  
 Iron (7190) \_\_\_\_\_  
 Cobalt (7190) \_\_\_\_\_  
 Nickel (7190) \_\_\_\_\_  
 Copper (7190) \_\_\_\_\_  
 Zinc (7190) \_\_\_\_\_  
 Gallium (7190) \_\_\_\_\_  
 Germanium (7190) \_\_\_\_\_  
 Arsenic (7190) \_\_\_\_\_  
 Selenium (7190) \_\_\_\_\_  
 Bromine (7190) \_\_\_\_\_  
 Iodine (7190) \_\_\_\_\_  
 Barium (7190) \_\_\_\_\_  
 Strontium (7190) \_\_\_\_\_  
 Calcium (7190) \_\_\_\_\_  
 Magnesium (7190) \_\_\_\_\_  
 Sodium (7190) \_\_\_\_\_  
 Potassium (7190) \_\_\_\_\_  
 Lithium (7190) \_\_\_\_\_  
 Beryllium (7190) \_\_\_\_\_  
 Boron (7190) \_\_\_\_\_  
 Aluminum (7190) \_\_\_\_\_  
 Silicon (7190) \_\_\_\_\_  
 Phosphorus (7190) \_\_\_\_\_  
 Sulfur (7190) \_\_\_\_\_  
 Chlorine (7190) \_\_\_\_\_  
 Fluorine (7190) \_\_\_\_\_  
 Oxygen (7190) \_\_\_\_\_  
 Nitrogen (7190) \_\_\_\_\_  
 Carbon (7190) \_\_\_\_\_  
 Hydrogen (7190) \_\_\_\_\_

LAB USE ONLY:	Sample Description	Sample I.D. / Location	Date	Time
NO1009-78	B5-0	B5-0	9/12/13	1124
-	B5-3	B5-3	1137	
-	B6-0	B6-0	1059	
-	B6-3	B6-3	1111	
-	B7-0	B7-0	1031	
-	B7-3	B7-3	1044	
-	B8-0	B8-0	0941	
-	B8-3	B8-3	1001	
-	E4-0	E4-0	1141	
-	E4-3	E4-3	1147	

SPECIFY APPROPRIATE MATRIX	CONTAINER(S)		TAT #	Type	REMARKS
	#	Type			
SOIL	X		1	55T	REF 3.5'
WATER					REF 3.5'
GROUND WATER					REF 3.5'
WASTEWATER					REF 3.5'

Preservatives: H=HCl N=HNO3 S=H2SO4 C=4°C  
 Z=Zn(AC)2 O=NaOH T=Na2S2O3

TAT:  A= Overnight ≤ 24 hr  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

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

# CHAIN OF CUSTODY RECORD

## FOR LABORATORY USE ONLY:

**Advanced Technology Laboratories**  
 3151 W. Post Road  
 Las Vegas, NV 89118  
 (702) 307-2659 • Fax (702) 307-2691

Client: Geocon  
 Attn: R.S. Jua  
 Address: 3160 Gold Valley Dr # 800  
 City: Rancho Cordova State: CA Zip Code: 95742 TEL: (916) 852-9118  
 Project Name: 800 Cedar St Project #: E9560-02-55 Sampler: D. WATTS FAX: (916) 852-9132  
 Relinquished by: (Signature and Printed Name) [Signature] Date: 9/12/13 Time: 1230  
 Relinquished by: (Signature and Printed Name) [Signature] Date: 9/12/13 Time: 1600  
 Relinquished by: (Signature and Printed Name) [Signature] Date: 9/12/13 Time: 1000

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr /Submitter: M. Obrien 9/12/13  
 Print Name \_\_\_\_\_ Date \_\_\_\_\_  
 Signature \_\_\_\_\_

Method of Transport: Client  ATL  CA OverN  FEDEX  Other: \_\_\_\_\_  
 Sample Condition Upon Receipt: 1. CHILLED 30, 54 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

Method of Transport:  Client  ATL  CA OverN  FEDEX  Other: \_\_\_\_\_  
 Sample Condition Upon Receipt: 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

Special Instructions/Comments: See Page 1

Bill To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Circle or Add Analysis(es) Requested: \_\_\_\_\_  
 WATER  
 GROUND WATER  
 WASTEWATER

LAB USE ONLY: Batch #: Lab No.	Sample Description	Sample I.D. / Location	Date	Time	SPECIFY APPROPRIATE MATRIX		PRESERVATION		REMARKS
					Container(s)	TAT #	Type	RTNE <input type="checkbox"/>	
N01009-88	E4-6		9/17/13	1154					Hold
	N1-0			1200					
	N1-1			1201					
	N1-2			1209					
	N1-3			1211					
	A*								

TAT:  A= Overnight ≤ 24 hr  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=Bedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

# CHAIN OF CUSTODY RECORD

**Advanced Technology Laboratories, Inc.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

## FOR LABORATORY USE ONLY:

Method of Transport  
 Client  
 ATL INC  
 FEDEX  
 Other: \_\_\_\_\_

Sample Condition Upon Receipt  
 1. CHILLED  Y  N  4. SEALED  Y  N   
 2. HEADSPACE (NOA)  Y  N  5. # OF SPLS MATCH COC  Y  N   
 3. CONTAINER INTACT  Y  N  6. PRESERVED  Y  N

Client: Geolon Address: 3160 Gold Valley Dr # 800 TEL: (916) 852-9118  
 Attn: R.S. Ivie City: Rancho Cordova State: CA Zip Code: 95742 FAX: (916) 852-9132

Project Name: 800 Cedarst Project #: ES560-02-55 Sampler: M. Brown (Printed Name)  
 (Signature)

Relinquished by: [Signature] Date: 9/12/13 Time: 1600 Received by: [Signature] Date: 9/12/13 Time: 1600  
 Relinquished by: [Signature] Date: 9/12/13 Time: 1600 Received by: [Signature] Date: 9/12/13 Time: 1600  
 Relinquished by: [Signature] Date: 9/12/13 Time: 1600 Received by: [Signature] Date: 9/12/13 Time: 1600

Special Instructions/Comments:  
Hold all sample until  
Authorization is given

Send Report To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

LAB USE ONLY: Batch #:	Lab No.	Sample Description	Sample I.D. / Location		Date	Time	Circle or Add Analysis(es) Requested		SPECIFY APPROPRIATE MATRIX		PRESERVATION		QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> RWOCB <input type="checkbox"/> LEVEL IV _____ OTHER _____	REMARKS
			Sample I.D.	Location			8260 (VOC)	8260B (BTEX, MTBE)	8015 (RO)	8015 (RO)	8015 (RO)	8015 (RO)		
	N011009	A1-0			9/11/13	955	X	X	X	X	X	X	X	Hold
		↓ 4				957	X	X	X	X	X	X	X	
		↓ 7.5				959	X	X	X	X	X	X	X	
		A2-0				1015	X	X	X	X	X	X	X	
		↓ 4				1017	X	X	X	X	X	X	X	
		↓ 7.5				1019	X	X	X	X	X	X	X	
		A3-0				1025	X	X	X	X	X	X	X	
		↓ 4				1027	X	X	X	X	X	X	X	
		↓ 7.5				1029	X	X	X	X	X	X	X	
		A4-0				1035	X	X	X	X	X	X	X	

TAT:  A= Overnight ≤ 24 hr  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=fedlar G=Glass P=Plastic M=Metal  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter







# CHAIN OF CUSTODY RECORD

## FOR LABORATORY USE ONLY:

**Advanced Technology Laboratories, Inc.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

Client: Geocon  
 Attn: R.S. Van  
 Project Name: 800 Cedar St Project #: 58560-02-55 Sampler: M. Jordan  
 Relinquished by: [Signature] Date: 9/12/13 Time: 1600  
 Relinquished by: [Signature] Date: 9/12/13 Time: 1600  
 Relinquished by: [Signature] Date: 9/12/13 Time: 1600

Address: 3160 Gold Valley Dr #800 State CA Zip Code 95742 TEL: (916) 852-9118  
 City Rancho Cordova (Printed Name) FAX: (916) 852-9132  
 Date: \_\_\_\_\_ Date: \_\_\_\_\_ Date: \_\_\_\_\_

Method of Transport:  Client  ATL INC  FEDEX  Other: \_\_\_\_\_  
 Sample Condition Upon Receipt: 1. CHILLED  36J.4 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

I attest to the validity and authenticity of this sample. I am aware of the importance of maintaining the sample location, date of sampling, collection & container used and may be grounds for legal action.

Special Instructions/Comments: See page 1

Bill To: \_\_\_\_\_ Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

LAB USE ONLY:	Batch #:	Sample Description	Sample I.D. / Location	Date	Time
	B8-0			9/13	840
	15				842
	10				844
	15.5				846
	D1-0				920
	4				922
	7.5				924
	D2-0				935
	4				937
	7.5				939

Circle or Add Analysis(es) Requested	8260 (VOC)	8260B (BTEX, MTBE)	8015 (VOC)	8015 (VOC, Motor Oil/VOC)	RCRA8 (60108/7000)	Lead (6010)	Cadm (7440)	Cd (7440)	PM 10 (7440)	PM 2.5 (7440)	Particulate Matter (7440)	8260B (BTEX, MTBE)	8015 (VOC)	8015 (VOC, Motor Oil/VOC)	RCRA8 (60108/7000)	Lead (6010)	Cadm (7440)	Cd (7440)	PM 10 (7440)	PM 2.5 (7440)	Particulate Matter (7440)	
	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

TAT:  A= Overnight  B= 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=Bedlar G=Glass P=Plastic M=Metal  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(Ac)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter



# CHAIN OF CUSTODY RECORD

## FOR LABORATORY USE ONLY:

**Advanced Technology Laboratories, Inc.**  
 3151-3153 W. Post Rd.  
 Las Vegas, NV 89118  
 Tel: (702) 307-2659 • Fax: (702) 307-2691

Client: Geocon  
 Attn: R.S. Iva  
 Project Name: 800 Cedarst

P.O.#: \_\_\_\_\_ Date: \_\_\_\_\_  
 Logged By: \_\_\_\_\_

Method of Transport:  Client  ATL INC  FEDEX  Other: \_\_\_\_\_  
 Sample Condition Upon Receipt: 1. CHILLED  26,54 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

Address: 3160 Gold Valley Dr #800 State CA Zip Code 95742 TEL: (916) 852-9118  
 City Rancho Cordova State CA Zip Code 95742 FAX: (916) 852-9132  
 Project #: F 8560-02-55 Sampler: \_\_\_\_\_ (Printed Name) \_\_\_\_\_ (Signature) \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: 9/12/13 Time: 1600  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: 9/12/13 Time: 1900  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Bill To: \_\_\_\_\_ Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_ Address: \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Circle or Add Analysis(es) Requested: \_\_\_\_\_  
 Special Instructions/Comments: see page 1

**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 : \$ 1.00 / ATL workorder / mo (after 1 year)

LAB USE ONLY: Batch #:	Lab No.	Sample I.D. / Location	Date	Time	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC	REMARKS		
					SOIL	WATER	GROUND WATER	WASTEWATER	Container(s)	TAT #	Type	RTNE	CT	RWQGB				LEVEL IV	OTHER
	E2-3	↓ 6	9/12/13	1022	X	X	X	X	X	X	X	X	X	X	X	X	X	1 PIT	Hold
	E3-0	↓ 3	1035	1037	X	X	X	X	X	X	X	X	X	X	X	X	X		
	E1-0	↓ 6	1039	1110	X	X	X	X	X	X	X	X	X	X	X	X	X		
	↓ 3			1112	X	X	X	X	X	X	X	X	X	X	X	X	X		
	↓ 6			1114	X	X	X	X	X	X	X	X	X	X	X	X	X		
	C2-0	↓ 3		1120	X	X	X	X	X	X	X	X	X	X	X	X	X		
	↓ 3			1122	X	X	X	X	X	X	X	X	X	X	X	X	X		

TAT:  A= Overnight ≤ 24 hr  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=Bedlar G=Glass P=Plastic M=Metal  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter





# CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY:



3151 W. Post Road  
Las Vegas, NV 89118  
(702) 307-2659 • Fax (702) 307-2691

Method of Transport  
 Client  
 ATL  
 CA OverN  
 FEDEX  
 Other: \_\_\_\_\_

Sample Condition Upon Receipt  
 1. CHILLED: 36, 54 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: Geocor Address: 3160 Gold Valley Dr # 800 TEL: (916) 852-9119  
 Attn: R. S. Iva City: Rancho Cordova State: CA Zip Code: 95742 FAX: (916) 852-9132  
 Project Name: 800 Cedar St Project #: E9560-02-55 Sampler: D. WATTS (Printed Name)  
 Relinquished by: [Signature] (Signature and Printed Name) Date: 9/12/13 Time: 1230  
 Relinquished by: [Signature] (Signature and Printed Name) Date: 9/12/13 Time: 1600  
 Relinquished by: [Signature] (Signature and Printed Name) Date: 9/12/13 Time: 1000

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr / Submitter: M. O'Brien 9/12/13  
 Print Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_

Send Report To:  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Bill To:  
 Attn: \_\_\_\_\_  
 Co: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Special Instructions/Comments:  
See Page 1

**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: \$1.00 / ATL workorder / mo (after 1 year)

LAB USE ONLY: Batch #:	Sample Description	Sample I.D. / Location	Date	Time	SPECIFY APPROPRIATE MATRIX		PRESERVATION		QA/QC										
					Container(s)	TAT #	Type	RTNE <input type="checkbox"/>		CT <input checked="" type="checkbox"/>	SWRCB <input type="checkbox"/>	Logcode <input type="checkbox"/>	OTHER <input type="checkbox"/>	REMARKS					
	E4-6		9/17/13	1154															
	N1-0			1200															
	N1-1			1201															
	N1-2			1209															
	N1-3			1211															
	A*																		

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal  
 TAT:  A=Overnight ≤ 24 hr  B=Emergency Next workday  C=Critical 2 Workdays  D=Urgent 3 Workdays  E=Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Z=Zn(AC)<sub>2</sub> O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

# Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 9/13/2013 Workorder: N011009  
 Rep sample Temp (Deg C): 3.6/5.4 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: GSO  
 Last 4 digits of Tracking No.: 8221/8222 Packing Material Used: None  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

### Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 13. Water - VOA vials have zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 14. Water - pH acceptable upon receipt?<br>Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 15. Did the bottle labels indicate correct preservatives used?                          | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 16. Were there Non-Conformance issues at login?<br>Was Client notified?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
|   | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |

Comments:

Checklist Completed By: MBC *MBC* 9/16/2013

Reviewed By: *J. Anello*

**1 FROM**

DATE: 9/12/13  
 COUNTRY: SECON

ADDRESS: 3151 GOLD VALLEY DRIVE  
 ADDRESS: STE/ ROOM 8530  
 ZIP CODE 95742

CITY: RANCHO CORDOVA  
 SENDERS NAME: Mike O'Brien  
 PHONE NUMBER: (916) 852-9110

**2 TO**

COMPANY: Advanced Technology Labs  
 NAME: RECEIVING  
 ADDRESS: 3151 Gold Valley Road  
 ADDRESS: Las Vegas, NV

STE/ ROOM  
 ZIP CODE

**3** YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

**4 SHIPPING AIR BILL**

PACKAGE INFORMATION

LETTER (MAX 8 OZ)

PACKAGE (WT) 40 lbs

DECLARED VALUE \$

COD AMOUNT \$ (CASH NOT ACCEPTED)

**5 DELIVERY SERVICE**

PRIORITY OVERNIGHT BY 10:30 AM

EARLY PRIORITY BY 8:00 AM

SATURDAY DELIVERY

**6 RELEASE SIGNATURE**

\*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

**7 SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE**

**8 PICK UP INFORMATION**

106938221

TIME DRIVER # ROUTE #

PEEL OFF HERE

**9 GSO TRACKING NUMBER**

106938221



1-800-322-5555  
 WWW.GSO.COM

**LVS**

**CPS**

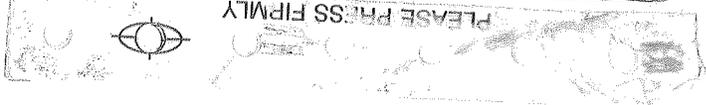
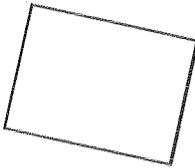
LAS VEGAS  
 89118



54 lb 3

**D89103B**

CSL-06



PLEASE PRESS FIRMLY

1 FROM

DATE 9/11/03  
COMPANY GEOSON  
ADDRESS 3191 GOLD VALLEY DRIVE  
ADDRESS  
CITY RANCHO CORDOVA  
SENDERS NAME MIKE O'BRIEN  
PHONE NUMBER (916) 952-9418  
STE/ ROOM 6500  
ZIP CODE 95742

2 TO

COMPANY Advanced Technology Labs  
NAME RECEIVING  
ADDRESS 3191 West Post Road  
ADDRESS  
CITY Las Vegas, NV  
STE/ ROOM  
ZIP CODE 89118

3 SPECIAL INSTRUCTIONS

YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SHIPPING AIR BILL

4 PACKAGE INFORMATION  
 LETTER (MAX 8 OZ)  
 PACKAGE (WT) 4.0 lbs  
 DECLARED VALUE \$  
 COD AMOUNT \$ (CASH NOT ACCEPTED)

1-800-322-5555  
WWW.GSO.COM

5 DELIVERY SERVICE  PRIORITY OVERNIGHT SERVICE BY 10:30 AM  
 EARLY PRIORITY BY 8:00 AM  
 SATURDAY DELIVERY

\*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT

6 RELEASE SIGNATURE

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION

TIME DRIVER # ROUTE #

PEEL OFF HERE

106938222

9 GSO TRACKING NUMBER



106938222

PACKAGE LABEL

## ATLInc Reports

---

**From:** Luann Beadle <beadle@geoconinc.com>  
**Sent:** Monday, September 16, 2013 2:32 PM  
**To:** Advanced Technology Labs, Inc.  
**Subject:** Caltrans TO-55 Cedar St  
**Attachments:** MX-5111N\_20130916\_142847.pdf

Hi Marlon and Glen,

Attached is a scan of the COC's for this project. I noted necessary changes in red ink and initialed nearby. Please proceed with the analyses as shown here. The TAT is still standard. If you could, please send results to Rick Day as well. I may be on vacation when they come in, as noted below.

Thank you for your patience. I appreciate it.

Sincerely,  
Luann

**I will be on vacation September 23<sup>rd</sup> through 27<sup>th</sup> . If you need assistance during that time, please contact Rick Day at (925) 961-5270.**



**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](mailto:beadle@geoconinc.com)

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October 09, 2013

Rebecca Silva  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

TEL: (916) 852-9118  
FAX: (916) 852-9132

CA-ELAP No.: 2676  
NV Cert. No.: NV-009222007A

Workorder No.: N011009

RE: 800 Cedar St, E8560-02-55

Attention: Rebecca Silva

Enclosed are the results for sample(s) received on September 13, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

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

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Jose Tenorio Jr.  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-001

**Client Sample ID:** A1-0  
**Collection Date:** 9/11/2013 9:55:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	2.7	0.050 mg/L	5	10/4/2013 09:50 PM

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**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-004

**Client Sample ID:** A2-0  
**Collection Date:** 9/11/2013 10:15:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	2.8	0.050 mg/L	5
			10/4/2013 09:54 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-005

**Client Sample ID:** A2-4  
**Collection Date:** 9/11/2013 10:17:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Chromium	0.12	0.050 mg/L	5
			10/4/2013 09:58 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-006

**Client Sample ID:** A2-7.5  
**Collection Date:** 9/11/2013 10:19:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596				PrepDate:	Analyst: CEI
Chromium	0.21	0.050		mg/L	5	10/4/2013 10:03 PM
Lead	6.3	0.050		mg/L	5	10/4/2013 10:03 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-007

**Client Sample ID:** A3-0  
**Collection Date:** 9/11/2013 10:25:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	3.5	0.050 mg/L	5
			10/4/2013 10:08 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology  
 Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-009

**Client Sample ID:** A3-7.5  
**Collection Date:** 9/11/2013 10:29:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Chromium	0.29	0.050 mg/L	5
			10/4/2013 10:12 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology  
 Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-010

**Client Sample ID:** A4-0  
**Collection Date:** 9/11/2013 10:35:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	2.1	0.050 mg/L	5
			10/4/2013 10:17 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-016

**Client Sample ID:** B1-15.5  
**Collection Date:** 9/11/2013 11:01:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	1.4	0.050 mg/L	5
			10/4/2013 10:21 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-017

**Client Sample ID:** B2-0  
**Collection Date:** 9/11/2013 11:25:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	1.5	0.050 mg/L	5	10/4/2013 10:42 PM

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**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-021

**Client Sample ID:** B3-0  
**Collection Date:** 9/11/2013 12:10:00 PM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI		
Lead	3.8	0.050	mg/L	5	10/4/2013 10:47 PM

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**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-022

**Client Sample ID:** B3-5  
**Collection Date:** 9/11/2013 12:12:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	0.81	0.050 mg/L	5
			10/4/2013 10:51 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-030

**Client Sample ID:** B5-5  
**Collection Date:** 9/11/2013 1:12:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Arsenic	0.13	0.050 mg/L	5
Lead	8.6	0.050 mg/L	5

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-034

**Client Sample ID:** B6-5  
**Collection Date:** 9/11/2013 1:42:00 PM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	4.2	0.050 mg/L	5	10/4/2013 11:01 PM

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**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-038

**Client Sample ID:** B7-5  
**Collection Date:** 9/12/2013 8:02:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	21	0.050 mg/L	5	10/4/2013 11:05 PM

---

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-039

**Client Sample ID:** B7-10  
**Collection Date:** 9/12/2013 8:04:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	7.6	0.050 mg/L	5
			10/4/2013 11:10 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-041

**Client Sample ID:** B8-0  
**Collection Date:** 9/12/2013 8:40:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	19	0.050 mg/L	5
			10/4/2013 11:16 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology  
 Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-042

**Client Sample ID:** B8-5  
**Collection Date:** 9/12/2013 8:42:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	6.5	0.050 mg/L	5	10/4/2013 11:21 PM

---

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-044

**Client Sample ID:** B8-15.5  
**Collection Date:** 9/12/2013 8:46:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	4.0	0.050 mg/L	5	10/4/2013 11:52 PM

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**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-047

**Client Sample ID:** D1-7.5  
**Collection Date:** 9/12/2013 9:24:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	5.1	0.050 mg/L	5	10/5/2013 12:16 AM

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**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-052

**Client Sample ID:** D3-4  
**Collection Date:** 9/12/2013 9:47:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	5.6	0.050 mg/L	5	10/5/2013 12:30 AM

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**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-058

**Client Sample ID:** E1-3  
**Collection Date:** 9/12/2013 10:12:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	1.7	0.050 mg/L	5	10/5/2013 12:35 AM

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**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-064

**Client Sample ID:** E3-3  
**Collection Date:** 9/12/2013 10:37:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	1.5	0.050 mg/L	5
			10/5/2013 12:40 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-065

**Client Sample ID:** E3-6  
**Collection Date:** 9/12/2013 10:39:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	3.1	0.050 mg/L	5
			10/5/2013 12:44 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-073

**Client Sample ID:** C3-3  
**Collection Date:** 9/12/2013 11:42:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	0.63	0.050 mg/L	5
			10/5/2013 12:48 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-074

**Client Sample ID:** C3-6  
**Collection Date:** 9/12/2013 11:44:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596				PrepDate:	Analyst: CEI
Chromium	0.15	0.050		mg/L	5	10/5/2013 12:53 AM
Lead	4.1	0.050		mg/L	5	10/5/2013 12:53 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-081

**Client Sample ID:** D6-3  
**Collection Date:** 9/12/2013 11:11:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI
Lead	5.0	0.050 mg/L	5
			10/5/2013 12:57 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-086

**Client Sample ID:** E4-0  
**Collection Date:** 9/12/2013 11:41:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>	<b>EPA 1311/ 6010B</b>				
RunID: ICP2_131008A	QC Batch: 44019				PrepDate: 10/3/2013	Analyst: CEI
Lead	ND	0.25		mg/L	1	10/8/2013 10:15 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-087

**Client Sample ID:** E4-3  
**Collection Date:** 9/12/2013 11:47:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	3.1	0.050 mg/L	5	10/5/2013 01:01 AM

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**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-088

**Client Sample ID:** E4-6  
**Collection Date:** 9/12/2013 11:54:00 AM  
**Matrix:** SOIL

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**ICP METALS BY STLC**

**WET/ EPA 6010B**

RunID: ICP2_131004A	QC Batch: R90596	PrepDate:	Analyst: CEI	
Lead	2.8	0.050 mg/L	5	10/5/2013 01:06 AM

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**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-089

**Client Sample ID:** N1-0  
**Collection Date:** 9/12/2013 12:00:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_131007A	QC Batch: 44053				PrepDate: 10/7/2013	Analyst: LCC
Mercury	ND	0.10		mg/Kg	1	10/7/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_131004B	QC Batch: 44016				PrepDate: 10/3/2013	Analyst: CEI
Antimony	ND	2.0		mg/Kg	1	10/4/2013 01:36 PM
Arsenic	4.5	1.0		mg/Kg	1	10/4/2013 01:36 PM
Barium	270	1.0		mg/Kg	1	10/4/2013 01:36 PM
Beryllium	ND	1.0		mg/Kg	1	10/4/2013 01:36 PM
Cadmium	ND	1.0		mg/Kg	1	10/4/2013 01:36 PM
Chromium	35	1.0		mg/Kg	1	10/4/2013 01:36 PM
Cobalt	12	1.0		mg/Kg	1	10/4/2013 01:36 PM
Copper	44	2.0		mg/Kg	1	10/4/2013 01:36 PM
Lead	12	1.0		mg/Kg	1	10/4/2013 01:36 PM
Molybdenum	ND	1.0		mg/Kg	1	10/4/2013 01:36 PM
Nickel	38	1.0		mg/Kg	1	10/4/2013 01:36 PM
Selenium	2.8	1.0		mg/Kg	1	10/4/2013 01:36 PM
Silver	ND	1.0		mg/Kg	1	10/4/2013 01:36 PM
Thallium	ND	1.0		mg/Kg	1	10/4/2013 01:36 PM
Vanadium	46	1.0		mg/Kg	1	10/4/2013 01:36 PM
Zinc	84	1.0		mg/Kg	1	10/4/2013 01:36 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**Advanced Technology Laboratories, Inc.**

**ANALYTICAL RESULTS**

Print Date: 09-Oct-13

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-090

**Client Sample ID:** N1-1  
**Collection Date:** 9/12/2013 12:01:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HEXAVALENT CHROMIUM**

**EPA 3060A**

**EPA 7196A**

RunID: WETCHEM_131009B	QC Batch: 44020				PrepDate: 10/3/2013	Analyst: <b>QBM</b>
Chromium, Hexavalent	ND	1.0		mg/Kg	1	10/9/2013

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_131007A	QC Batch: 44053				PrepDate: 10/7/2013	Analyst: <b>LCC</b>
Mercury	ND	0.10		mg/Kg	1	10/7/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_131004B	QC Batch: 44016				PrepDate: 10/3/2013	Analyst: <b>CEI</b>
Antimony	ND	2.0		mg/Kg	1	10/4/2013 01:43 PM
Arsenic	5.0	1.0		mg/Kg	1	10/4/2013 01:43 PM
Barium	250	1.0		mg/Kg	1	10/4/2013 01:43 PM
Beryllium	ND	1.0		mg/Kg	1	10/4/2013 01:43 PM
Cadmium	ND	1.0		mg/Kg	1	10/4/2013 01:43 PM
Chromium	37	1.0		mg/Kg	1	10/4/2013 01:43 PM
Cobalt	8.5	1.0		mg/Kg	1	10/4/2013 01:43 PM
Copper	39	2.0		mg/Kg	1	10/4/2013 01:43 PM
Lead	12	1.0		mg/Kg	1	10/4/2013 01:43 PM
Molybdenum	ND	1.0		mg/Kg	1	10/4/2013 01:43 PM
Nickel	31	1.0		mg/Kg	1	10/4/2013 01:43 PM
Selenium	3.2	1.0		mg/Kg	1	10/4/2013 01:43 PM
Silver	ND	1.0		mg/Kg	1	10/4/2013 01:43 PM
Thallium	ND	1.0		mg/Kg	1	10/4/2013 01:43 PM
Vanadium	50	1.0		mg/Kg	1	10/4/2013 01:43 PM
Zinc	75	1.0		mg/Kg	1	10/4/2013 01:43 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-091

**Client Sample ID:** N1-2  
**Collection Date:** 9/12/2013 12:09:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 7471**

**EPA 7471A**

RunID: AA1_131007A	QC Batch: 44053				PrepDate: 10/7/2013	Analyst: LCC
Mercury	ND	0.10		mg/Kg	1	10/7/2013

**ICP METALS**

**EPA 3050B**

**EPA 6010B**

RunID: ICP2_131004B	QC Batch: 44016				PrepDate: 10/3/2013	Analyst: CEI
Antimony	ND	2.0		mg/Kg	1	10/4/2013 01:57 PM
Arsenic	4.1	1.0		mg/Kg	1	10/4/2013 01:57 PM
Barium	300	1.0		mg/Kg	1	10/4/2013 01:57 PM
Beryllium	ND	1.0		mg/Kg	1	10/4/2013 01:57 PM
Cadmium	ND	1.0		mg/Kg	1	10/4/2013 01:57 PM
Chromium	34	1.0		mg/Kg	1	10/4/2013 01:57 PM
Cobalt	11	1.0		mg/Kg	1	10/4/2013 01:57 PM
Copper	43	2.0		mg/Kg	1	10/4/2013 01:57 PM
Lead	12	1.0		mg/Kg	1	10/4/2013 01:57 PM
Molybdenum	ND	1.0		mg/Kg	1	10/4/2013 01:57 PM
Nickel	36	1.0		mg/Kg	1	10/4/2013 01:57 PM
Selenium	2.8	1.0		mg/Kg	1	10/4/2013 01:57 PM
Silver	ND	1.0		mg/Kg	1	10/4/2013 01:57 PM
Thallium	ND	1.0		mg/Kg	1	10/4/2013 01:57 PM
Vanadium	43	1.0		mg/Kg	1	10/4/2013 01:57 PM
Zinc	82	1.0		mg/Kg	1	10/4/2013 01:57 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-092

**Client Sample ID:** N1-3  
**Collection Date:** 9/12/2013 12:11:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>MERCURY BY COLD VAPOR TECHNIQUE</b>						
<b>EPA 7471</b>			<b>EPA 7471A</b>			
RunID: AA1_131007A	QC Batch: 44053				PrepDate: 10/7/2013	Analyst: LCC
Mercury	ND	0.10		mg/Kg	1	10/7/2013
<b>ICP METALS</b>						
<b>EPA 3050B</b>			<b>EPA 6010B</b>			
RunID: ICP2_131004B	QC Batch: 44016				PrepDate: 10/3/2013	Analyst: CEI
Antimony	ND	2.0		mg/Kg	1	10/4/2013 02:05 PM
Arsenic	4.2	1.0		mg/Kg	1	10/4/2013 02:05 PM
Barium	300	1.0		mg/Kg	1	10/4/2013 02:05 PM
Beryllium	ND	1.0		mg/Kg	1	10/4/2013 02:05 PM
Cadmium	ND	1.0		mg/Kg	1	10/4/2013 02:05 PM
Chromium	34	1.0		mg/Kg	1	10/4/2013 02:05 PM
Cobalt	12	1.0		mg/Kg	1	10/4/2013 02:05 PM
Copper	40	2.0		mg/Kg	1	10/4/2013 02:05 PM
Lead	12	1.0		mg/Kg	1	10/4/2013 02:05 PM
Molybdenum	ND	1.0		mg/Kg	1	10/4/2013 02:05 PM
Nickel	36	1.0		mg/Kg	1	10/4/2013 02:05 PM
Selenium	2.5	1.0		mg/Kg	1	10/4/2013 02:05 PM
Silver	ND	1.0		mg/Kg	1	10/4/2013 02:05 PM
Thallium	ND	1.0		mg/Kg	1	10/4/2013 02:05 PM
Vanadium	43	1.0		mg/Kg	1	10/4/2013 02:05 PM
Zinc	80	1.0		mg/Kg	1	10/4/2013 02:05 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_ST**

Sample ID: <b>MB1-R90596</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654913</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.010									
Chromium	0.000252	0.010									
Lead	ND	0.010									

Sample ID: <b>MB1-43998</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.010									
Chromium	0.000602	0.010									
Lead	ND	0.010									

Sample ID: <b>MB2-43998</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654915</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.003	0.010									
Chromium	0.000612	0.010									
Lead	ND	0.010									

Sample ID: <b>LCS1-R90596</b>	SampType: <b>LCS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654916</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.487	0.010	0.5000	0	97.3	85	115				
Chromium	0.490	0.010	0.5000	0	98.1	85	115				
Lead	0.490	0.010	0.5000	0	98.0	85	115				

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011008-003A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_ST</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>90596</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>R90596</b>		TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1654918</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.140	0.050						0.1567	11.6	20	
Chromium	0.499	0.050						0.5266	5.33	20	
Lead	26.080	0.050						30.14	14.4	20	

Sample ID: <b>N011008-003A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_ST</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>90596</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>R90596</b>		TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1654920</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.824	0.050	2.500	0.1567	107	75	125				
Chromium	2.859	0.050	2.500	0.5266	93.3	75	125				
Lead	32.151	0.050	2.500	30.14	80.5	75	125				

Sample ID: <b>N011008-003A-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>6010_ST</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>90596</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>R90596</b>		TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1654921</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.779	0.050	2.500	0.1567	105	75	125	2.824	1.61	20	
Chromium	2.847	0.050	2.500	0.5266	92.8	75	125	2.859	0.420	20	
Lead	31.908	0.050	2.500	30.14	70.8	75	125	32.15	0.759	20	S

Sample ID: <b>N011009-016A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_ST</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>90596</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>R90596</b>		TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1654934</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.176	0.050						0.1524	14.6	20	
Chromium	0.163	0.050						0.1714	5.04	20	
Lead	1.365	0.050						1.441	5.44	20	

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011009-016A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>	Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654937</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.949	0.050	2.500	0.1524	112	75	125				
Chromium	2.685	0.050	2.500	0.1714	101	75	125				
Lead	3.983	0.050	2.500	1.441	102	75	125				

Sample ID: <b>MB2-R90596</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>	Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654949</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Chromium	ND	0.010									
Lead	ND	0.010									

Sample ID: <b>MB1-43999</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>	Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654950</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Chromium	0.000597	0.010									
Lead	ND	0.010									

Sample ID: <b>MB2-43999</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>	Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654951</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Chromium	0.000528	0.010									
Lead	ND	0.010									

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>LCS1-R90596</b>	SampType: <b>LCS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654952</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.486	0.010	0.5000	0	97.2	85	115				
Chromium	0.493	0.010	0.5000	0	98.6	85	115				
Lead	0.492	0.010	0.5000	0	98.4	85	115				

Sample ID: <b>N011009-044A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1654954</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.236	0.050						0.2537	7.44	20	
Chromium	0.263	0.050						0.2266	15.0	20	
Lead	4.263	0.050						3.958	7.43	20	

Sample ID: <b>N011009-044A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654956</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.794	0.050	2.500	0.2537	102	75	125				
Chromium	2.497	0.050	2.500	0.2266	90.8	75	125				
Lead	6.184	0.050	2.500	3.958	89.1	75	125				

Sample ID: <b>N011009-044A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>90596</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R90596</b>	TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>	SeqNo: <b>1654957</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.812	0.050	2.500	0.2537	102	75	125	2.794	0.644	20	
Chromium	2.509	0.050	2.500	0.2266	91.3	75	125	2.497	0.469	20	
Lead	6.183	0.050	2.500	3.958	89.0	75	125	6.184	0.0287	20	

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N011009-088A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_ST</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>90596</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>R90596</b>		TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>		SeqNo: <b>1654970</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.163	0.050						0.1885	14.3	20	
Chromium	0.199	0.050						0.2224	11.3	20	
Lead	2.113	0.050						2.815	28.5	20	R

Sample ID: <b>N011009-088A-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_ST</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>90596</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>R90596</b>		TestNo: <b>WET/ EPA 60</b>		Analysis Date: <b>10/5/2013</b>		SeqNo: <b>1654975</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.678	0.050	2.500	0.1885	99.6	75	125				
Chromium	2.452	0.050	2.500	0.2224	89.2	75	125				
Lead	5.002	0.050	2.500	2.815	87.5	75	125				

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



DO Surrogate Diluted Out  
**Advanced Technology**  
**Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TCPB**

Sample ID: <b>MB-44019</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90641</b>
Client ID: <b>PBS</b>	Batch ID: <b>44019</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/8/2013</b>	SeqNo: <b>1656406</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	ND	0.25			
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Sample ID: <b>MB-44004_TC</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90641</b>
Client ID: <b>PBS</b>	Batch ID: <b>44019</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/8/2013</b>	SeqNo: <b>1656407</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	ND	0.25			
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Sample ID: <b>LCS-44019</b>	SampType: <b>LCS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90641</b>
Client ID: <b>LCSS</b>	Batch ID: <b>44019</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/8/2013</b>	SeqNo: <b>1656408</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	0.522	0.25	0.5000	0	104	85	115
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Sample ID: <b>N011009-086A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90641</b>
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44019</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/8/2013</b>	SeqNo: <b>1656410</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	0.016	0.25				0.01915	0	20
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Sample ID: <b>N011148-001C-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90641</b>
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44019</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/8/2013</b>	SeqNo: <b>1656414</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Lead	0.518	0.25	0.5000	0.007662	102	75	125
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- Qualifiers:**
- B Analyte detected in the associated Method Blank
  - E Value above quantitation range
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit
  - R RPD outside accepted recovery limits
  - S Spike/Surrogate outside of limits due to matrix interference



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TCPB**

Sample ID: <b>N011148-001C-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90641</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44019</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/8/2013</b>	SeqNo: <b>1656415</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.531	0.25	0.5000	0.007662	105	75	125	0.5184	2.39	20	

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



DO Surrogate Diluted Out  
 Calculations are based on raw values  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>MB-44016</b>		SampType: <b>MBLK</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>10/3/2013</b>		RunNo: <b>90599</b>	
Client ID: <b>PBS</b>		Batch ID: <b>44016</b>		TestNo: <b>EPA 6010B EPA 3050B</b>				Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1655128</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.295	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: <b>LCS-44016</b>		SampType: <b>LCS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>10/3/2013</b>		RunNo: <b>90599</b>	
Client ID: <b>LCSS</b>		Batch ID: <b>44016</b>		TestNo: <b>EPA 6010B EPA 3050B</b>				Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1655129</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	23.613	2.0	25.00	0	94.5	80	120				
Arsenic	23.472	1.0	25.00	0	93.9	80	120				
Barium	24.809	1.0	25.00	0	99.2	80	120				
Beryllium	23.470	1.0	25.00	0	93.9	80	120				
Cadmium	24.022	1.0	25.00	0	96.1	80	120				
Chromium	24.515	1.0	25.00	0	98.1	80	120				
Cobalt	25.743	1.0	25.00	0	103	80	120				
Copper	24.475	2.0	25.00	0	97.9	80	120				
Lead	24.772	1.0	25.00	0	99.1	80	120				

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>LCS-44016</b>		SampType: <b>LCS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>10/3/2013</b>		RunNo: <b>90599</b>	
Client ID: <b>LCSS</b>		Batch ID: <b>44016</b>		TestNo: <b>EPA 6010B EPA 3050B</b>				Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1655129</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	24.559	1.0	25.00	0	98.2	80	120				
Nickel	25.157	1.0	25.00	0	101	80	120				
Selenium	20.708	1.0	25.00	0	82.8	80	120				
Silver	22.588	1.0	25.00	0	90.4	80	120				
Thallium	23.610	1.0	25.00	0	94.4	80	120				
Vanadium	24.659	1.0	25.00	0	98.6	80	120				
Zinc	24.640	1.0	25.00	0	98.6	80	120				

Sample ID: <b>N011009-090A-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>10/3/2013</b>		RunNo: <b>90599</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>44016</b>		TestNo: <b>EPA 6010B EPA 3050B</b>				Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1655132</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	4.796	1.0						4.990	3.98	20	
Barium	282.838	1.0						251.6	11.7	20	
Beryllium	0.511	1.0						0.5310	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	33.966	1.0						37.25	9.23	20	
Cobalt	10.016	1.0						8.489	16.5	20	
Copper	38.279	2.0						39.46	3.04	20	
Lead	12.324	1.0						12.31	0.125	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	29.594	1.0						31.11	4.98	20	
Selenium	2.683	1.0						3.215	18.0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	46.977	1.0						50.30	6.84	20	
Zinc	74.191	1.0						75.03	1.12	20	

**Qualifiers:**  
 B Analyte detected in the associated Method Blank      E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit      R RPD outside accepted recovery limits      S Spike/Surrogate outside of limits due to matrix interference



DO Surrogate Diluted Out  
 3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011147-001B-MS</b>		SampType: <b>MS</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>10/3/2013</b>		RunNo: <b>90599</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>44016</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1655142</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	16.303	2.0	24.99	0	65.2	75	125				S
Arsenic	27.612	1.0	24.99	2.769	99.4	75	125				
Barium	109.546	1.0	24.99	76.34	133	75	125				S
Beryllium	23.616	1.0	24.99	0	94.5	75	125				
Cadmium	22.033	1.0	24.99	0	88.2	75	125				
Chromium	29.499	1.0	24.99	5.687	95.3	75	125				
Cobalt	24.972	1.0	24.99	1.217	95.1	75	125				
Copper	50.023	2.0	24.99	21.61	114	75	125				
Lead	29.212	1.0	24.99	5.890	93.3	75	125				
Molybdenum	25.196	1.0	24.99	1.960	93.0	75	125				
Nickel	27.858	1.0	24.99	4.299	94.3	75	125				
Selenium	22.056	1.0	24.99	0	88.3	75	125				
Silver	23.601	1.0	24.99	0.2915	93.3	75	125				
Thallium	20.540	1.0	24.99	0	82.2	75	125				
Vanadium	33.327	1.0	24.99	8.344	100	75	125				
Zinc	113.269	1.0	24.99	83.47	119	75	125				

Sample ID: <b>N011147-001B-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>6010_S</b>		Units: <b>mg/Kg</b>		Prep Date: <b>10/3/2013</b>		RunNo: <b>90599</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>44016</b>		TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>10/4/2013</b>		SeqNo: <b>1655143</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.660	0.20	2.488	0	66.7	75	125	16.30	163	20	BSR
Arsenic	2.713	0.10	2.488	2.769	-2.25	75	125	27.61	164	20	SR
Barium	10.531	0.10	2.488	76.34	-2650	75	125	109.5	165	20	SR
Beryllium	2.338	0.10	2.488	0	94.0	75	125	23.62	164	20	R
Cadmium	2.179	0.10	2.488	0	87.6	75	125	22.03	164	20	R
Chromium	2.878	0.10	2.488	5.687	-113	75	125	29.50	164	20	SR
Cobalt	2.489	0.10	2.488	1.217	51.1	75	125	24.97	164	20	SR
Copper	4.755	0.20	2.488	21.61	-678	75	125	50.02	165	20	SR
Lead	2.857	0.10	2.488	5.890	-122	75	125	29.21	164	20	SR

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N011147-001B-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90599</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44016</b>	TestNo: <b>EPA 6010B</b>	<b>EPA 3050B</b>	Analysis Date: <b>10/4/2013</b>	SeqNo: <b>1655143</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	2.501	0.10	2.488	1.960	21.7	75	125	25.20	164	20	SR
Nickel	2.726	0.10	2.488	4.299	-63.2	75	125	27.86	164	20	SR
Selenium	2.156	0.10	2.488	0	86.7	75	125	22.06	164	20	R
Silver	2.369	0.10	2.488	0.2915	83.5	75	125	23.60	164	20	R
Thallium	2.034	0.10	2.488	0	81.8	75	125	20.54	164	20	R
Vanadium	3.277	0.10	2.488	8.344	-204	75	125	33.33	164	20	SR
Zinc	12.346	0.10	2.488	83.47	-2860	75	125	113.3	161	20	SR

**Qualifiers:**  
 B Analyte detected in the associated Method Blank      E Value above quantitation range      H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit      R RPD outside accepted recovery limits      S Spike/Surrogate outside of limits due to matrix interference



DO Surrogate Diluted Out  
 Calculations are based on raw values  
 3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7196\_S**

Sample ID: <b>MB-44020</b>	SampType: <b>MBLK</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90659</b>						
Client ID: <b>PBS</b>	Batch ID: <b>44020</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>10/9/2013</b>	SeqNo: <b>1657053</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium, Hexavalent

ND

1.0

Sample ID: <b>LCS-44020</b>	SampType: <b>LCS</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90659</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>44020</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>10/9/2013</b>	SeqNo: <b>1657054</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium, Hexavalent

4.041

1.0

4.000

0

101

80

120

Sample ID: <b>N011009-090A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90659</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44020</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>10/9/2013</b>	SeqNo: <b>1657056</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium, Hexavalent

ND

1.0

0

0

20

Sample ID: <b>N011009-090A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90659</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44020</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>10/9/2013</b>	SeqNo: <b>1657057</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium, Hexavalent

9.079

1.0

20.00

0

45.4

80

120

S

Sample ID: <b>N011009-090A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90659</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44020</b>	TestNo: <b>EPA 7196A</b>	<b>EPA 3060A</b>	Analysis Date: <b>10/9/2013</b>	SeqNo: <b>1657058</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium, Hexavalent

7.306

1.0

20.00

0

36.5

80

120

9.079

21.6

20

SR

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 7196\_S

Sample ID: <b>N011009-090A-MS_I</b>	SampType: <b>MS</b>	TestCode: <b>7196_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/3/2013</b>	RunNo: <b>90659</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44020</b>	TestNo: <b>EPA 7196A EPA 3060A</b>		Analysis Date: <b>10/9/2013</b>	SeqNo: <b>1657059</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	635.414	20	675.7	0	94.0	80	120				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7471\_S**

Sample ID: <b>LCS-44053</b>	SampType: <b>LCS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/7/2013</b>	RunNo: <b>90609</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>44053</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>10/7/2013</b>	SeqNo: <b>1655284</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.488	0.10	0.4167	0	117	80	120				

Sample ID: <b>MB-44053</b>	SampType: <b>MBLK</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/7/2013</b>	RunNo: <b>90609</b>						
Client ID: <b>PBS</b>	Batch ID: <b>44053</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>10/7/2013</b>	SeqNo: <b>1655285</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: <b>N011009-089A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/7/2013</b>	RunNo: <b>90609</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44053</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>10/7/2013</b>	SeqNo: <b>1655287</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.049	0.10						0.05051	0	20	

Sample ID: <b>N011009-089A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/7/2013</b>	RunNo: <b>90609</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44053</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>10/7/2013</b>	SeqNo: <b>1655288</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.546	0.10	0.4167	0.05051	119	75	125				

Sample ID: <b>N011009-089A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7471_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>10/7/2013</b>	RunNo: <b>90609</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44053</b>	TestNo: <b>EPA 7471A EPA 7471</b>		Analysis Date: <b>10/7/2013</b>	SeqNo: <b>1655289</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.545	0.10	0.4167	0.05051	119	75	125	0.5458	0.0895	20	

**Qualifiers:**

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference



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## Nancy Sibucão

---

**From:** Luann Beadle [[beadle@geoconinc.com](mailto:beadle@geoconinc.com)]  
**Sent:** Tuesday, October 01, 2013 1:51 PM  
**To:** Advanced Technology Labs, Inc.  
**Subject:** Lab Order N011009 TO-55 Cedar St

Hi ATL,

Please run WET analyses for the following samples, as indicated:

N011009-030A	B5-5	Arsenic
N011009-005A	A2-4	Chromium
N011009-009A	A3-7.5	Chromium
N011008-020A	G3-4	Chromium
N011009-006A	A2-7.5	Chromium
N011009-074A	C3-6	Chromium
N011009-010A	A4-0	Lead
N011009-073A	C3-3	Lead
N011009-001A	A1-0	Lead
N011009-007A	A3-0	Lead
N011009-021A	B3-0	Lead
N011009-058A	E1-3	Lead
N011009-064A	E3-3	Lead
N011009-074A	C3-6	Lead
N011009-017A	B2-0	Lead
N011009-016A	B1-15.5	Lead
N011009-004A	A2-0	Lead
N011009-052A	D3-4	Lead
N011009-044A	B8-15.5	Lead
N011009-065A	E3-6	Lead
N011009-088A	E4-6	Lead
N011009-	E4-3	Lead



Advanced Technology  
Laboratories, Inc.

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087A		
N011009-047A	D1-7.5	Lead
N011009-006A	A2-7.5	Lead
N011009-081A	D6-3	Lead
N011009-039A	B7-10	Lead
N011008-024A	G4-8	Lead
N011009-038A	B7-5	Lead
N011009-022A	B3-5	Lead
N011009-030A	B5-5	Lead
N011009-042A	B8-5	Lead
N011009-041A	B8-0	Lead
N011009-034A	B6-5	Lead
N011008-003A	H1-4	Lead

And TCLP on:

N011009-086A	E4-0	Lead
--------------	------	------

Regular TAT please.

Thank you,  
Luann



**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](mailto:beadle@geoconinc.com)

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**Advanced Technology  
 Laboratories, Inc.**

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## Glen S. Gesmundo

---

**From:** Luann Beadle [beadle@geoconinc.com]  
**Sent:** Wednesday, October 02, 2013 11:56 AM  
**To:** glen@atl-labs.com  
**Subject:** Lab Order N01109

Hi Glen,  
Please run samples N1-0, N1-1, N1-2, and N1-3 for CAM 17 metals and sample N1-1 for Hexavalent Chromium (7196) on a regular TAT.  
Thank you,  
Luann



**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](mailto:beadle@geoconinc.com)

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November 01, 2013

Rebecca Silva  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

CA-ELAP No.:2676  
NV Cert. No.:NV-009222007A

TEL: (916) 852-9118  
FAX: (916) 852-9132

Workorder No.: N011009

RE: 800 Cedar St, E8560-02-55

Attention: Rebecca Silva

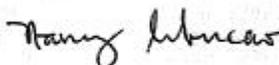
Enclosed are the results for sample(s) received on September 13, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

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

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

for 

Jose Tenorio Jr.  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** 800 Cedar St, E8560-02-55  
**Lab Order:** N011009

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**CASE NARRATIVE**

Analytical Comments for EPA 1311/6010B:

RPD for sample duplicate N011008-003 is outside criteria ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-006

**Client Sample ID:** A2-7.5  
**Collection Date:** 9/11/2013 10:19:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>	<b>EPA 1311/ 6010B</b>				
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:05 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-030

**Client Sample ID:** B5-5  
**Collection Date:** 9/11/2013 1:12:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					
	<b>EPA 1311/ 6010B</b>					
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:10 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-038

**Client Sample ID:** B7-5  
**Collection Date:** 9/12/2013 8:02:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					
	<b>EPA 1311/ 6010B</b>					
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:14 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-039

**Client Sample ID:** B7-10  
**Collection Date:** 9/12/2013 8:04:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>			<b>EPA 1311/ 6010B</b>		
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:18 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-041

**Client Sample ID:** B8-0  
**Collection Date:** 9/12/2013 8:40:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					
	<b>EPA 1311/ 6010B</b>					
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:40 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-042

**Client Sample ID:** B8-5  
**Collection Date:** 9/12/2013 8:42:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					
	<b>EPA 1311/ 6010B</b>					
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:45 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-047

**Client Sample ID:** D1-7.5  
**Collection Date:** 9/12/2013 9:24:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>	<b>EPA 1311/ 6010B</b>				
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:49 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-052

**Client Sample ID:** D3-4  
**Collection Date:** 9/12/2013 9:47:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					
	<b>EPA 1311/ 6010B</b>					
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:53 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55  
**Lab ID:** N011009-081

**Client Sample ID:** D6-3  
**Collection Date:** 9/12/2013 11:11:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>					
	<b>EPA 1311/ 6010B</b>					
RunID: ICP2_131031B	QC Batch: 44210				PrepDate: 10/29/2013	Analyst: JAA
Lead	ND	0.25		mg/L	1	10/31/2013 12:58 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TCPB**

Sample ID: <b>MB-44210</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>PBS</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673429</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>MB1-44202 TCLP</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>PBS</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673430</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>MB2-44202 TCLP</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>PBS</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673431</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>LCS-44210</b>	SampType: <b>LCS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673432</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.531 0.25 0.5000 0 106 85 115

Sample ID: <b>N011008-003A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673438</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.515 0.25 0.6632 25.2 20 R

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N011009  
**Project:** 800 Cedar St, E8560-02-55

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TCPB**

Sample ID: <b>N011008-003A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673443</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	1.083	0.25	0.5000	0.6632	84.0	75	125				
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Sample ID: <b>N011008-003A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673444</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	1.123	0.25	0.5000	0.6632	92.0	75	125	1.083	3.65	20	
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Sample ID: <b>N011009-081A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673459</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	ND	0.25						0.03518	0	20	
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Sample ID: <b>N011009-081A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TCPB</b>	Units: <b>mg/L</b>	Prep Date: <b>10/29/2013</b>	RunNo: <b>90984</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>44210</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>10/31/2013</b>	SeqNo: <b>1673460</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	0.541	0.25	0.5000	0.03518	101	75	125				
------	-------	------	--------	---------	-----	----	-----	--	--	--	--

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**Advanced Technology  
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

## Nancy Sibucan

---

**From:** Luann Beadle [[beadle@geoconinc.com](mailto:beadle@geoconinc.com)]  
**Sent:** Friday, October 25, 2013 7:45 AM  
**To:** Advanced Technology Labs, Inc.  
**Subject:** TO-55 Cedar St Lab Orders N1011008 and N011009

Hi ATL,

Please run TCLP lead on the following samples from these two lab orders:

D6-3  
D1-7.5  
D3-4  
A2-7.5  
B8-5  
B7-10  
G4-8  
B5-5  
B8-0  
B7-5  
H1-4

Regular TAT please.

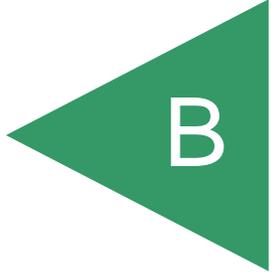
Thanks,  
Luann



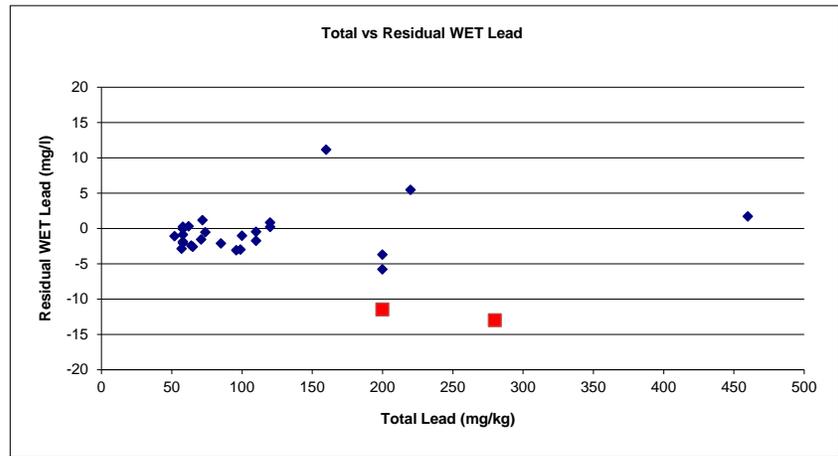
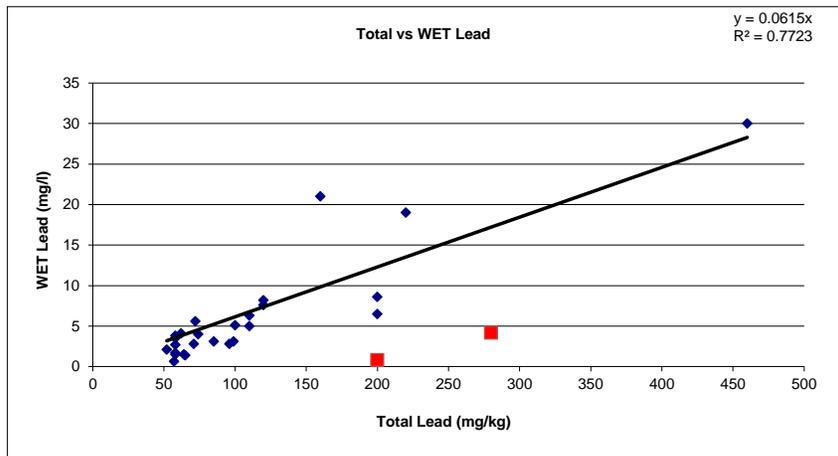
**Luann Beadle** | Senior Staff Scientist  
**Geocon Consultants, Inc.**  
6671 Brisa Street, Livermore, CA 94550  
Office: 925.371.5900, ext. 403 Direct: 925.961.5272 Mobile: 925.395.1669  
[beadle@geoconinc.com](mailto:beadle@geoconinc.com)

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APPENDIX



Sample ID	Sample Depth (feet)	Total Lead (mg/kg)	WET Lead (mg/l)	Residual WET Lead (mg/l)	Squared Residual WET Lead (mg/l)
A3-0	0 to 0.5	58	3.5	-0.07	0.00
B7-10	10 to 10.5	120	7.6	0.22	0.05
B3-0	0 to 0.5	58	3.8	0.23	0.05
C3-6	6 to 6.5	62	4.1	0.29	0.08
A2-7.5	7.5 to 8	110	6.3	-0.47	0.22
B8-15.5	15.5 to 16	74	4.0	-0.55	0.31
G4-8	8 to 8.5	120	8.2	0.82	0.67
A1-0	0 to 0.5	58	2.7	-0.87	0.75
D1-7.5	7.5 to 8	100	5.1	-1.05	1.11
A4-0	0 to 0.5	52	2.1	-1.10	1.21
D3-4	3 to 3.5	72	5.6	1.17	1.37
A2-0	0 to 0.5	71	2.8	-1.57	2.46
H1-4	4 to 4.5	460	30	1.70	2.89
D6-3	3 to 3.5	110	5.0	-1.77	3.12
E1-3	3 to 3.5	58	1.7	-1.87	3.49
E3-3	3 to 3.5	58	1.5	-2.07	4.28
E3-6	6 to 6.5	85	3.1	-2.13	4.53
B2-0	0 to 0.5	64	1.5	-2.44	5.94
B1-15.5	15.5 to 16	65	1.4	-2.60	6.75
C3-3	3 to 3.5	57	0.63	-2.88	8.28
E4-3	3 to 3.5	99	3.1	-2.99	8.94
E4-6	6 to 6.5	96	2.8	-3.11	9.65
B5-5	5 to 5.5	200	8.6	-3.70	13.72
B8-0	0 to 0.5	220	19	5.47	29.87
B8-5	5 to 5.5	200	6.5	-5.80	33.69
B7-5	5 to 5.5	160	21	11.16	124.47
<b>Not Used</b>					
B3-5	5 to 5.5	200	0.81	-11.49	132.12
B6-5	5 to 5.5	280	4.2	-13.03	169.68



**Total Pb - with Statistical Outlier**

Number of Valid Observations	119
Number of Distinct Observations	64
Minimum	1.1
Maximum	1,900
Mean	57.2
Median	22
SD	181.5
Variance	32926
Coefficient of Variation	3.173
Skewness	9.15
Mean of log data	3.009
SD of log data	1.344
<b>90% Standard Bootstrap UCL</b>	<b>78.1</b>
<b>95% Standard Bootstrap UCL</b>	<b>79.0</b>

**Pb without Statistical Outlier**

Number of Valid Observations	118
Number of Distinct Observations	63
Minimum	1.1
Maximum	460
Mean	41.6
Median	22
SD	62.74
Variance	3936
Coefficient of Variation	1.509
Skewness	3.74
Mean of log data	2.971
SD of log data	1.282
<b>90% Standard Bootstrap UCL</b>	<b>48.8</b>
<b>95% Standard Bootstrap UCL</b>	<b>51.0</b>

**As**

Number of Valid Observations	48
Number of Distinct Observations	32
Minimum	0.5
Maximum	56
Mean	6.88
Median	4.8
SD	8.197
Variance	67.2
Coefficient of Variation	1.191
Skewness	4.772
Mean of log data	1.523
SD of log data	0.97
<b>95% Standard Bootstrap UCL</b>	<b>8.86</b>

**Co**

Number of Valid Observations	48
Number of Distinct Observations	25
Minimum	7.1
Maximum	24
Mean	11.2
Median	10
SD	3.47
Variance	12.04
Coefficient of Variation	0.31
Skewness	1.72
Mean of log data	2.378
SD of log data	0.269
<b>95% Standard Bootstrap UCL</b>	<b>12.0</b>

**TPHd**

Number of Valid Observations	71
Number of Distinct Observations	50
Minimum	3.3
Maximum	900
Mean	46.8
Median	30
SD	106.8
Variance	11407
Coefficient of Variation	2.282
Skewness	7.485
Mean of log data	3.165
SD of log data	1.084
<b>95% Standard Bootstrap UCL</b>	<b>66.9</b>

**TPHmo**

Number of Valid Observations	71
Number of Distinct Observations	44
Minimum	7
Maximum	2000
Mean	121.7
Median	72
SD	239.1
Variance	57155
Coefficient of Variation	1.965
Skewness	7.116
Mean of log data	4.182
SD of log data	1.064
<b>95% Standard Bootstrap UCL</b>	<b>168</b>

**Dieldrin**

Number of Valid Observations	28
Number of Distinct Observations	5
Minimum	1
Maximum	4.9
Mean	1.43
Median	1
SD	1.116
Variance	1.246
Coefficient of Variation	0.783
Skewness	2.508
Mean of log data	0.193
SD of log data	0.491
<b>95% Standard Bootstrap UCL</b>	<b>1.75</b>

**Benzo(a)anthracene**

Number of Valid Observations	71
Number of Distinct Observations	35
Minimum	2.5
Maximum	5300
Mean	125
Median	25
SD	627.5
Variance	393793
Coefficient of Variation	5.03
Skewness	8.242
Mean of log data	3.038
SD of log data	1.587
<b>95% Standard Bootstrap UCL</b>	<b>247</b>

**Benzo(a)pyrene**

Number of Valid Observations	71
Number of Distinct Observations	32
Minimum	2.5
Maximum	7400
Mean	187
Median	25
SD	877.9
Variance	770645
Coefficient of Variation	4.693
Skewness	8.151
Mean of log data	3.503
SD of log data	1.62
<b>95% Standard Bootstrap UCL</b>	<b>359</b>

**Benzo(b)fluoranthene**

Number of Valid Observations	71
Number of Distinct Observations	30
Minimum	2.5
Maximum	11000
Mean	238
Median	25
SD	1301
Variance	1691543
Coefficient of Variation	5.468
Skewness	8.326
Mean of log data	3.607
SD of log data	1.601
<b>95% Standard Bootstrap UCL</b>	<b>490</b>

**Benzo(k)fluoranthene**

Number of Valid Observations	71
Number of Distinct Observations	20
Minimum	2.5
Maximum	4000
Mean	98.8
Median	25
SD	471.7
Variance	222532
Coefficient of Variation	4.773
Skewness	8.31
Mean of log data	3.166
SD of log data	1.462
<b>95% Standard Bootstrap UCL</b>	<b>192</b>

**Chrysene**

Number of Valid Observations	71
Number of Distinct Observations	37
Minimum	2.5
Maximum	6200
Mean	149
Median	25
SD	734.2
Variance	539031
Coefficient of Variation	4.923
Skewness	8.226
Mean of log data	3.248
SD of log data	1.594
<b>95% Standard Bootstrap UCL</b>	<b>292</b>

**Indeno(1,2,3-cd)pyrene**

Number of Valid Observations	71
Number of Distinct Observations	17
Minimum	2.5
Maximum	3600
Mean	91.2
Median	25
SD	424.8
Variance	180458
Coefficient of Variation	4.657
Skewness	8.28
Mean of log data	3.065
SD of log data	1.506
<b>95% Standard Bootstrap UCL</b>	<b>175</b>

## Antimony - Outlier Test

### Outlier Tests for Selected Variables

User Selected Options

From File Sheet1.wst  
Full Precision OFF  
Test for Suspected Outliers with Dixon test 1  
Test for Suspected Outliers with Rosner test 1

### Rosner's Outlier Test for Sb

Mean 1.625  
Standard Deviation 4.33  
Number of data 48  
Number of suspected outliers 1

#	Mean	sd	Potential outlier	Obs. Number	Test value	Critical value (5%)	Critical value (1%)
1	1.625	4.285	31	15	6.856	3.11	3.46

For 5% Significance Level, there is 1 Potential Outlier  
Therefore, Observation 31 is a Potential Statistical Outlier

For 1% Significance Level, there is 1 Potential Outlier  
Therefore, Observation 31 is a Potential Statistical Outlier

## Lead - Outlier Test

### Outlier Tests for Selected Variables

User Selected Options

From File Sheet1.wst

Full Precision OFF

Test for Suspected Outliers with Dixon test 1

Test for Suspected Outliers with Rosner test 1

### Rosner's Outlier Test for Pb

Mean 57.19

Standard Deviation 181.5

Number of data 119

Number of suspected outliers 1

#	Mean	sd	Potential outlier	Obs. Number	Test value	Critical value (5%)	Critical value (1%)
1	57.19	180.7	1900	86	10.2	3.433	3.803

For 5% Significance Level, there is 1 Potential Outlier

Therefore, Observation 1900 is a Potential Statistical Outlier

For 1% Significance Level, there is 1 Potential Outlier

Therefore, Observation 1900 is a Potential Statistical Outlier