Riverside County / Environmental

40880-R County Center Drive
Temecula, CA 92591
T: 951.600.9271 F: 951.719.1499

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February 15, 2012 (Reissued September 10, 2014)
J.N. 361-11

MR. JONATHAN WELDY
ELBERTA, LLC & SOCAL CASA BLANCA, LP
C/O MERIDIAN LAND DEVELOPMENT
19153 Town Center Drive, Suite 106
Apple Valley, California, 92308

Subject: **Report of Limited Phase II- Near Surface Soil Investigation, 36104 Oak Glen Road, 240 Acres Site (APN Numbers 0321-082-15; 0321-101-02; -12; and -20), Casa Blanca Ranch, City of Yucaipa, San Bernardino County, California.**

Dear Mr. Weldy:

The Environmental Division of Petra Geotechnical, Inc. (Petra) is pleased to present this Limited Phase II - Near Surface Soil Investigation for the above-referenced site. This investigation has been conducted in accordance with our supplemental proposal dated November 21, 2011.

The information presented in this report discusses the results of our recent investigation and includes a summary of our findings and recommendations. This report was prepared at the request of Meridian Land Development on behalf of Elberta, LLC & Socal Blanca, LP, for their exclusive use. Use of this report or reliance thereon by other parties or projects is not authorized. The report may not be suitable for other parties or other purposes.

SITE DESCRIPTION

The subject site is located at 36104 Oak Glen Road, approximately 850 feet east-northeast of the intersection of Oak Glen Road and Cherry Croft Drive, in the City of Yucaipa, San Bernardino County, California. A site location map is included as Figure 1. The site is situated in an area comprised of low-density residential and agricultural land use. The subject site is comprised of approximately 240 acres with four separate Assessor's Parcel Numbers (APN Numbers 0321-082-15; 0321-101-02; -12; and -20). At the time of our investigation, the site was a vacant ranch with hilltops and canyons used for agriculture. A site plan is included as Figure 2.

PURPOSE

Based on the findings of the Phase I ESA and further discussions with the client, it was recommended that near surface soil sampling would be required to evaluate potential impacts from *Recognized Environmental Conditions* (RECs). The specifically identified potential recognized environmental conditions within the subject site are: 1) pesticides from onsite agricultural use and termiticides; 2) potential PCB's from transformers; 3) potential lead from lead-based paints and 4) possible impact of hydrocarbons from on-site fuel storage, repair and washout areas. The purpose of the proposed Limited Phase II Investigation was to evaluate the potential for impact to the near surface soils from items identified as potential recognized environmental conditions prior to the purchase of the property for development as residential use.

SCOPE OF SERVICES

Petra conducted a limited Phase II investigation of near-surface soils to evaluate impacts from pesticides from onsite agricultural use and termiticides; potential PCB's from transformers; potential lead from lead-based paints and possible impact of hydrocarbons from on-site fuel storage, repair and washout areas. This work consisted of the following tasks:

1. ***Task 1 - Research.*** Petra obtained copies of historical aerial photographs for the recent Phase I site investigation. These photographs were used to determine the location of past agricultural land use as well as structures which could represent potential mixing areas or fuel storage, repair or washout areas. Copies of these photographs are included in Appendix A.

2. ***Task 2 - Soil Sampling.*** Petra utilized a direct-push rig or hand augered a total of 62 soil borings on the subject site for the following areas.

   - Agricultural land use area samples were collected from zero to six inches below ground surface (bgs) and from 2.0 to 2.5 feet bgs. The shallow samples were composited by the laboratory into groups of two or three. The deeper samples were placed on hold pending the analytical results of the shallow samples. A map showing the agricultural land use boring locations is provided in Figure 3 and 5.A minimum of two drip-line samples were collected in an area of exposed soil adjacent to each building. The samples were collected from within zero to six inches bgs and 2 to 3 feet bgs. The shallow samples were composited by the laboratory into groups of two. The deeper samples were placed on hold pending the analytical results of the shallow samples. A map showing the drip-line sample locations is provided in Figures 3 and 5.

   - Transformer location samples were collected from below the pole-mounted transformer within zero to six inches bgs and 2 to 3 feet bgs. The shallow sample was analyzed discretely. The deeper sample was placed on hold pending the analytical results of the shallow sample.

   - Hydrocarbon area samples were collected in areas with the highest likelihood of hydrocarbon contamination and, where possible, were collected from 0.5 to 1.0; 2.5 to 3.0; 5.0 to 5.5 and 10

feet bgs. The shallow samples from 0.5 to 1.0 feet were analyzed discretely. The deeper samples were placed on hold pending the analytical results of the shallow sample. Sample with high levels of hydrocarbons were later tested at 2.0 and 2.5 feet bgs.

3. ***Task 3 - Laboratory Analysis.*** All samples collected during the sampling phase were submitted under chain-of-custody documentation to a state-certified laboratory.

   - Samples collected for Agricultural Land Use were tested discreetly or composited into groups of two and analyzed for organochlorine pesticides (OCPs) according to Environmental Protection Agency (EPA) Method 8081A; Twenty percent of these samples were analyzed for Organophosphorus pesticides (OPPs) using EPA Method 8141A and Chlorinated Herbicides using EPA Method 8151A.

   - Drip-line samples collected were composited into groups of two and analyzed for termiticides according to Environmental Protection Agency (EPA) Method 8081A and lead using EPA Method 6010B.

   - Samples collected for Transformer locations were analyzed discreetly for Polychlorinated Biphenyls (PCB's) according to Environmental Protection Agency (EPA) Method 8082.

   - Samples collected within areas with the highest likelihood of hydrocarbon contamination were analyzed discretely for Total petroleum hydrocarbons (TPH) –Carbon Chain using Environmental Protection Agency (EPA) Method 8015B.

4. ***Task 4 – Data Evaluation and Reporting.*** Petra reviewed the laboratory findings and a discussion of these findings is presented in this report. A copy of the laboratory results and chain-of-custody form is provided in Appendix B.

SOIL SAMPLE PROTOCOL

The direct-push rig borings (agricultural land use locations) were sampled using a one-inch diameter hydraulic and percussion drive-point unit with a closed piston sampler. All other samples collected were advanced using a hand-auger tool. Clean, four-ounce glass jars, provided by the laboratory, were used to collect soil samples from the hand-auger borings. Each sample was collected, sealed, labeled, and placed in a cooler with ice for subsequent laboratory analysis. To prevent cross-contamination, all sampling equipment was washed with a Liquinox™ and water solution, and rinsed with distilled water, prior to introduction into the subsurface. Chain-of-custody procedures, including sample labeling, preservation, and handling protocols were followed for identification and tracking of the samples.

Soil samples collected were transported to and analyzed by Enviro-Chem, Inc., Pomona, California, a state certified laboratory. Sample security was maintained and documented using sample labels and chain-of-

custody records. Copies of the official laboratory reports and chain-of-custody records are included in Appendix B.

INITIAL FIELD INVESTIGATION

Petra conducted soil sampling activities for the investigation at the subject site on December 8 and 9, 2011. A discussion of the field activities is provided below. The approximate boring locations are shown on Figures 3, 4 and 5.

Field Activities

A total of 62 borings (Borings B-1 through B-62) were sampled on the subject site. The following samples (including field quality control [QC] samples) were collected and analyzed for OCPs, OPPs, Chlorinated Herbicides, Lead, PCB's and TPH – Carbon chain as part of this investigative effort.

- ... Twenty-one of the borings were tested for multiple purposes.
- Forty-three borings were excavated within agriculture land use areas including drainage channels, potential mixing areas, agricultural fields or former orchards.
- One boring was excavated in the area under the pole-mounted transformer.
- Fourteen borings were excavated within the drip-line (within two feet) of the existing buildings.
- Eleven borings were excavated within areas with the highest likelihood of carbon contamination.
- At twelve locations duplicate samples were collected from the boring as a quality control procedure.

Laboratory Analysis

Soil samples collected during this investigation were analyzed by Enviro-Chem, Inc. (ECI) in Pomona, California. ECI is accredited by the California Environmental Protection Agency, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP). Analyses were requested on a chain-of-custody record.

Samples collected were analyzed for the following:

- Organochlorine pesticides (OCP's) using EPA Method 8081A
- Organophosphorus pesticides (OPP's) using EPA Method 8141A
- Chlorinated Herbicides using EPA Method 8151A
- Lead using EPA Method 6010B

- Total Petroleum Hydrocarbons (TPH)-Carbon Chain using EPA Method 8015B.

Several samples were analyzed for more than one purpose. Below is a discussion of the laboratory results.

Agricultural Land Use Samples

Organochlorinated Pesticides: Twenty-six samples and six duplicate samples were tested for organochlorinated pesticides residues. The samples contained no detectable levels of organochlorinated pesticides or were well below the 2011 EPA Region 9 Regional Screening Levels (RSLs) and 2005 California Human Health Screening Levels (CHHSLs).

Organophosphorus Pesticides: Twenty percent of the samples were also analyzed for Organophosphorus pesticides. No detectable levels of Organophosphorus pesticides were present in the samples analyzed.

Chlorinate Herbicides: Twenty percent of the samples were also analyzed for Chlorinated Herbicides. No detectable levels of Chlorinated Herbicides were present in the samples analyzed.

Drip-Line Samples

Lead: Seven samples and three duplicate samples were tested for lead. Concentrations of lead in the drip-line samples ranged from 5.17 to 327 mg/kg. The concentration found in composite samples B-56-0.5 and B-1

57-0.5; B-58-0.5 and B-59-0.5; and B-60-0.5 and B-61-0.5 were 327 mg/kg, 258 mg/kg, and 182 mg/kg respectively. These levels are below the 2011 EPA Region 9 Regional Screening Level (RSL) for Lead of 400 mg/kg. However, these levels are above the 2009 Revised California Human Health Screening Level (CHHSL) for Lead of 80 mg/kg. ***It should be noted that all of the samples were composited for efficiency and to identify, during the due-diligence process prior to purchase of the property, if lead was found along the buildings. Discreet testing of samples may show even higher levels of lead.***

Termiticides: Seven samples and three duplicate samples were tested for Termiticides (OCP's). The samples contained no detectable levels for Termiticides (OCP's) or were well below the 2011 EPA Region 9 Regional Screening Levels (RSLs) and 2005 California Human Health Screening Levels (CHHSLs). Therefore, termiticides (OCP's) along the perimeter of the existing buildings does not represent a concern in regards to the subject site.

Transformer Locations Samples

Polychlorinated Biphenyl's (PCB's): One sample and one duplicate sample were tested for PCB's. No PCB's were detected at or above the laboratory reporting limits analyzed for the sample below the pole mounted transformer.

Hydrocarbon Samples

Total Petroleum Hydrocarbons (TPH) – Carbon Chain: Twelve discreet samples and three discreet duplicate samples were tested for TPH-Carbon Chain. No concentrations were detected above the laboratory reporting limit for C4-C10 Gasoline Range in any of the samples analyzed; concentrations of C11-C22 Diesel Range were found in discreet samples B-1-0.5 and duplicate sample B-11-0.5 and were 12.9 mg/kg and 214 mg/kg respectively; concentrations of C23-C35 Motor Oil Range were found in discreet samples B-1-0.5 at 115 mg/kg, B-2-0.5 at 85.5 mg/kg, duplicate sample B-2-0.5 at 66.1 mg/kg, B-3-0.5 at 54.9 mg/kg, B-11-0.5 at 55.1 mg/kg and duplicate sample B-11-0.5 at 1460 mg/kg.

Since concentrations of hydrocarbons were detected in the shallow samples analyzed for borings B-1, B-2, B-3 and B-11, deeper samples within these borings were later tested. No concentrations were detected above the laboratory reporting limit for C4-C10 Gasoline Range in any of the deeper samples analyzed. However, concentrations of C11-C22 Diesel Range were found in discreet sample B-1-2.0 at 589 mg/kg and concentrations of C23-C35 Motor Oil Range were found in discreet sample B-1-2.0 at 2770 mg/kg.

These concentrations were higher than the concentrations found in the shallow samples within boring B-

QUALITY ASSURANCE AND QUALITY CONTROL MEASURES

This investigation includes a quality assurance/quality control (QA/QC) program to ensure the reliability and compatibility of all data generated during sampling activities. The laboratory QA/QC conducted by the laboratory is located at the back of each data sequence presented in the Laboratory Report in Appendix C.

Project Quality Objectives

The necessary QA/QC procedures were performed in accordance with acceptable protocols, so that the data generated meets the overall project objectives for precision and accuracy. Sampling and analytical procedures, personnel requirements, chain-of-custody and documentation requirements, and specific

criteria for determining data acceptability were traceable. Procedures stipulated how to address data deficiencies, data reduction and evaluation, and preparation of field investigation reports, which were produced so that outputs are accurate and technically sound.

Documentation and Records

The following information is included in the laboratory data report package.

1. Cover letter with laboratory manager (or designee's) signature.
2. Data reports for each sample submitted which include at a minimum:
    - Results and reporting units for each parameter;
    - Project defined reporting limits;
    - Date of extraction(s) and analyses;
    - List of project specified methodologies for each parameter; and
    - Dates of sample collection and laboratory receipt.
3. Quality control summary forms with method blank results, matric spike/matrix spike duplicate (MS/MSD) recoveries, and RPD calculations.
4. Copy of the original chain-of-custody forms.
5. A case narrative, as necessary, to discuss quality control limit exceedences, specific sample problems, and analytical methodology problems observed.

Measurement Data Acquisition

Sampling Process Design

The primary objective of the investigation was to evaluate site soils for: 1) pesticides from onsite agricultural use and termiticides; 2) potential PCB's from transformers; 3) potential lead from lead-based paints and 4) possible impact of hydrocarbons from on-site fuel storage, repair and washout areas. Sampling locations were selected based on suspected potential impact areas and access restrictions.

Analytical Method Requirements

Analytical methods employed for the soil samples collected during this investigation are listed below. Analytical procedure detection limits are provided in the Laboratory Report.

Target Contaminants

- Organochlorine pesticides (OCP's) using EPA Method 8081A
- Organophosphorus pesticides (OPP's) using EPA Method 8141A
- Chlorinated Herbicides using EPA Method 8151A
- Lead using EPA Method 6010B
- Total Petroleum Hydrocarbons (TPH)-Carbon Chain using EPA Method 8015B.

All analytical procedures were conducted in accordance with the current EPA document SW-846 methodologies. The detection limits for each analysis is provided in the laboratory report.

Quality Control Requirements

The Project Manager was responsible for implementing the quality control requirements for the project. The quality control procedures specified in the current SW-846 methodologies and specified EPA methods were followed in the laboratory and in the field.

Field QC Requirements

Field sampling procedures require QC samples consisting of the following:

Rinsate Samples - Rinsate samples are collected to check for possible cross-contamination made during decontamination procedures. One rinsate sample was collected each day soil samples were collected. The rinsate samples were analyzed for the same analyses requested for during that day's field operations. The rinsate samples were submitted to the laboratory along with the soil samples and other quality control samples for analysis.

Laboratory QC Requirements

To obtain data on the precision, accuracy and recovery, the analytical laboratory analyzed the QC samples as specified by the reporting requirements of the SW836. The control limits and corrective actions for each parameter are specified in each analytical method.

Instrument Calibration and Frequency

The laboratory maintains a full-service contract with the laboratory equipment manufacturers in order to minimize downtime of the analytical systems. A service engineer performs necessary preventive maintenance.

Each analyst was responsible for conducting a daily inspection of critical systems on instruments under their charge. Inspections include vacuum lines and pumps for GC/MS, automatic injection systems, controlled reagent-feed motors, temperature-controlled ovens in GCs, capillary columns, detectors and support systems, gas control system for AA's, and many others. Wear-dependent items such as septa on

GC injection systems are replaced as needed. The performance of instruments was checked against known standards at the beginning of each working day or shift. Failure to achieve proper performance indicates a system problem, which was dealt with by laboratory personnel or by the manufacturer's service representative.

In addition, laboratory personnel or the manufacturer's service representative serviced working systems according to a fixed schedule. A record of service and repairs, whether accomplished by laboratory personnel or by the manufacturer's service representative, is maintained in a logbook kept with each instrument.

Precision, Accuracy, Representativeness, Completeness and Comparability

The basis for assessing the elements of data quality is discussed in the following subsections. In the absence of laboratory-specific precision and accuracy limits, the QC limits listed in this section must be met.

<u>Precision</u>

Precision-is a measurement of the reproducibility of repetitive measurements. It is strictly defined as the degree of mutual agreement among independent measurements as the result of repeated application of the sample process under similar conditions.

Analytical precision- is a measurement of the variability associated with duplicate or replicate analyses of the same sample in the laboratory, and is determined by analysis of laboratory quality control samples,

such as duplicate control samples, MS/MSD, or sample duplicates. If the recoveries of analytes in the specified control samples are comparable within established control limits, then precision is within limits.

Total precision-is a measurement of the variability associated with the entire sampling and analytical process. It is determined by analysis of duplicate or replicate field samples, and measures variability introduced by both the laboratory and field operations. Field duplicate samples are analyzed to assess field and analytical precision.

Duplicate results are assessed using the RPD between duplicate measurements. If the RPD for laboratory quality control samples exceeds 30 percent, data was qualified as described in the applicable validation procedure. If the RPD between the primary and duplicate field samples exceeds 100 percent for soil, the data is considered qualified as described in the applicable validation procedure. The % RPD was calculated as follows:

$$\% \text{ RPD} = 200 \times (|X_2 - X_1|)/(X_2 + X_1)$$

where X_1 and X_2 are the two observed values. Refer to Table 2 for the results of the duplicate sample data validation.

Accuracy

Accuracy- is a statistical measurement of correctness and includes components of random error (variability due to imprecision) and systematic error. It reflects the total error associated with a measurement. A measurement is accurate when the value reported does not differ from the true value or known concentration of the spike or standard.

Accuracy of laboratory analyses was assessed by laboratory control samples, surrogate standards, matrix spikes, and initial and continuing calibrations of instruments. Laboratory accuracy is expressed as the percent recovery (%R). Accuracy limits are statistically generated by the laboratory or required by specified EPA methods. If the percent recovery is determined to be outside of acceptance criteria, data was qualified as described in the applicable validation procedure. The calculation of percent recovery is provided below:

$$\% \text{ R} = 100 \times (X_S - X)/T$$

where X_S is the measured value of the spiked sample, X is the measured value of the unspiked sample and T is the true value of the spike solution added.

Field accuracy was assessed through the analysis of the field equipment blanks. Analysis of blanks monitor errors associated with the sampling process, field contamination, sample preservation, and sample handling. The DQO for field equipment blanks is that all values are less than the reporting limit for each target constituent. If contamination is reported in the field equipment blank, data would be qualified as described in the applicable validation procedure.

Representativeness

Representativeness- is the degree to which data accurately and precisely represent selected characteristics of the media sampled. Representativeness of data collection is addressed by careful preparation of sampling and analysis programs. This investigation addressed representativeness by specifying the numbers and locations of samples; incorporating appropriate sampling methodologies; specifying proper sample collection techniques and decontamination procedures; selecting appropriate laboratory methods to prepare and analyze soil and establishing proper field and laboratory QA/QC procedures.

Completeness

Completeness- is the amount of valid data obtained compared to the amount that was expected under ideal conditions. The number of valid results divided by the number of possible results, expressed as a percentage, determines the completeness of the data set. The objective for completeness is to recover 100 percent of the planned data to support field efforts. The formula for calculation of completeness is presented, as follows:

% Completeness = 100 x (*number of valid results)/(number of expected results)*

Comparability

Comparability- is an expression of confidence with which one data set can be compared to another. The objective of comparability is to ensure that data developed during the investigation are comparable to site knowledge and adequately address applicable criteria or standards established by the USEPA and the California Department of Health Services (DHS). This investigation addressed comparability by specifying laboratory methods that are consistent with the current standards of practice as approved by the USEPA and DHS.

Data Management

Data resulting from laboratory analysis was consistent with the appropriate methods and equations stated in the procedure. Individual laboratory supervisors reviewed data before forwarding it to the data management supervisor. Final reports were reviewed by the laboratory QA Manager for errors or deviations before release. Final reports include the Quality Control Summary data required to perform data assessment. Procedures used for analyses were compared with the reference methods. Discrepancies or deviations are noted and explained.

The data generated during the sample collection and analysis was centralized into one project file including information about the instrument conditions. The data management system allows review by project personnel.

Quality Assurance/Quality Control Samples

Method blank samples are generated within the laboratory and used to assess contamination resulting from laboratory procedures. Matrix spikes provide information about the effect of the sample matrix on the digestion and measurement methodology. Matrix spikes are performed in duplicate and are hereinafter referred to as MS/MSD samples. One MS/MSD was analyzed for every 20 samples, or one per sample data group. Please see the laboratory reports in Appendix C.

VARIANCES

This section describes any variances experienced during implementation soil sampling at the site.

Due to refusal on concrete or boulders some deeper samples for TPH – Carbon Chain samples were not collected within certain borings.

CONCLUSIONS AND RECOMMENDATIONS

Based on the laboratory results of the soil samples collected, the following conclusions are made:

- Samples were tested for Organochlorinated pesticides, Organophosphorus pesticides and Chlorinated Herbicides residues. The samples contained no detectable levels of Organochlorinated pesticides, Organophosphorus pesticides and Chlorinated Herbicides or were well below the 2011 EPA Region 9 Regional Screening Levels (RSLs) and 2005 California Human Health Screening Levels (CHHSLs). Therefore, Organochlorinated pesticides,

Organophosphorus pesticides and Chlorinated Herbicides do not represent a concern with regards to the subject site.

- Concentrations of lead in the drip-line samples and duplicate samples ranged from 5.17 to 327 mg/kg. The detected concentrations for the composite samples B-56-0.5 and B-57-0.5; B-58-0.5 and B-59-0.5; and B-60-0.5 and B-61-0.5 were 327 mg/kg, 258 mg/kg, and 182 mg/kg respectively. These concentrations are below the 2011 EPA Region 9 Regional Screening Level (RSL) for Lead of 400 mg/kg. However, these levels are above the 2009 Revised California Human Health Screening Level (CHHSL) for Lead of 80 mg/kg. ***It should be noted that all of the samples were composited for efficiency and to identify, during the due-diligence process prior to purchase of the property, if lead was found along the buildings. Discreet testing of samples may show even higher levels of lead***

  If the structures are to be renovated or demolished, it is recommended that lead-based paints should be abated prior to demolition in accordance with current regulations.

- Samples were tested for Termiticides (OCP's) around the existing structures. The samples contained no detectable levels for Termiticides (OCP's) or were well below the 2011 EPA Region 9 Regional Screening Levels (RSLs) and 2005 California Human Health Screening Levels (CHHSLs). Therefore, termiticides (OCP's) along the perimeter of the existing buildings does not represent a concern in regards to the subject site.

- One sample and one duplicate sample were tested for Polychlorinated Biphenyl's (PCB's). No PCB's were detected at or above the laboratory reporting limits analyzed for the sample below the pole mounted transformer.

- Twelve samples and three duplicate samples were tested for Total Petroleum Hydrocarbons (TPH) – Carbon Chain. No concentrations were detected above the laboratory reporting limit for C4-C10 Gasoline Range in any of the samples analyzed; concentrations of C11-C22 Diesel Range were found in discreet samples B-1-0.5 and duplicate sample B-11-0.5 and were 12.9 mg/kg and 214 mg/kg respectively; concentrations of C23-C35 Motor Oil Range were found in discreet samples B-1-0.5 at 115 mg/kg, B-2-0.5 at 85.5 mg/kg, duplicate sample B-2-0.5 at 66.1 mg/kg, B-3-0.5 at 54.9 mg/kg, B-11-0.5 at 55.1 mg/kg and duplicate sample B-11-0.5 at 1460 mg/kg.

The levels of Total Petroleum Hydrocarbons (TPH) – Carbon Chain detected in boring B-1 were found to have the highest concentrations for C11-C22 Diesel Range and C23-C35 Motor Oil Range and contained higher concentrations with depth. Boring B-1 was excavated within a concrete walled pit located within the repair shop. Boring B-1 met refusal at 2.5 feet so an attempt was made in a second location within the pit to collect deeper samples. However, this attempt was also met with refusal around 2.5 feet. Petra representatives were unsure if the pit contained a concrete bottom or if refusal was on a boulder. Neither the client nor Mr. Tom Webster co-owner of the subject site has any knowledge of the pit containing a concrete bottom. Therefore, Petra recommends that the soils within the pit be removed to 2.5 feet along with the concrete sidewalls and concrete bottom if applicable. The removal should be overseen by an environmental firm, such as Petra, and confirmation samples at 2.5 feet or below the concrete should be collected and analyzed in order to verify that the impacted soil was removed.

Due to the levels of Total Petroleum Hydrocarbons (TPH) – Carbon Chain detected in relatively small surface areas within borings B-2, B-3 and B-11, Petra recommends conducting a limited removal around boring locations B-2, B-3 and B-11 within a radius of 3 feet and to a depth of 3 feet. The removal should be overseen by an environmental firm, such as Petra, and confirmation samples should be collected and analyzed in order to verify that the impacted soil was removed.

LIMITATIONS

Petra has completed the above scope of work in accordance with our Supplemental Proposal for J.N. 361-11, dated November 21, 2011. The work activities described herein were conducted to address the specific issues as discussed in this report. No other areas of the subject site were assessed as part of this investigation.

This opportunity to be of service to you is sincerely appreciated. Please do not hesitate to call this office if you have questions pertaining to this report.

Respectfully submitted,

Petra Geotechnical, Inc.
ENVIRONMENTAL DIVISION

Jonathan Cain
Senior Project Geologist

Siamak Jafroudi, PhD,
President
PE 36641, REA-I 1655

REGISTERED PROFESSIONAL ENGINEER
SIAMAK JAFROUDI
No. GE002024
GEOTECHNICAL
STATE OF CALIFORNIA

JC/SJ/kms/jma/nbc

Distribution: (3) Addressee

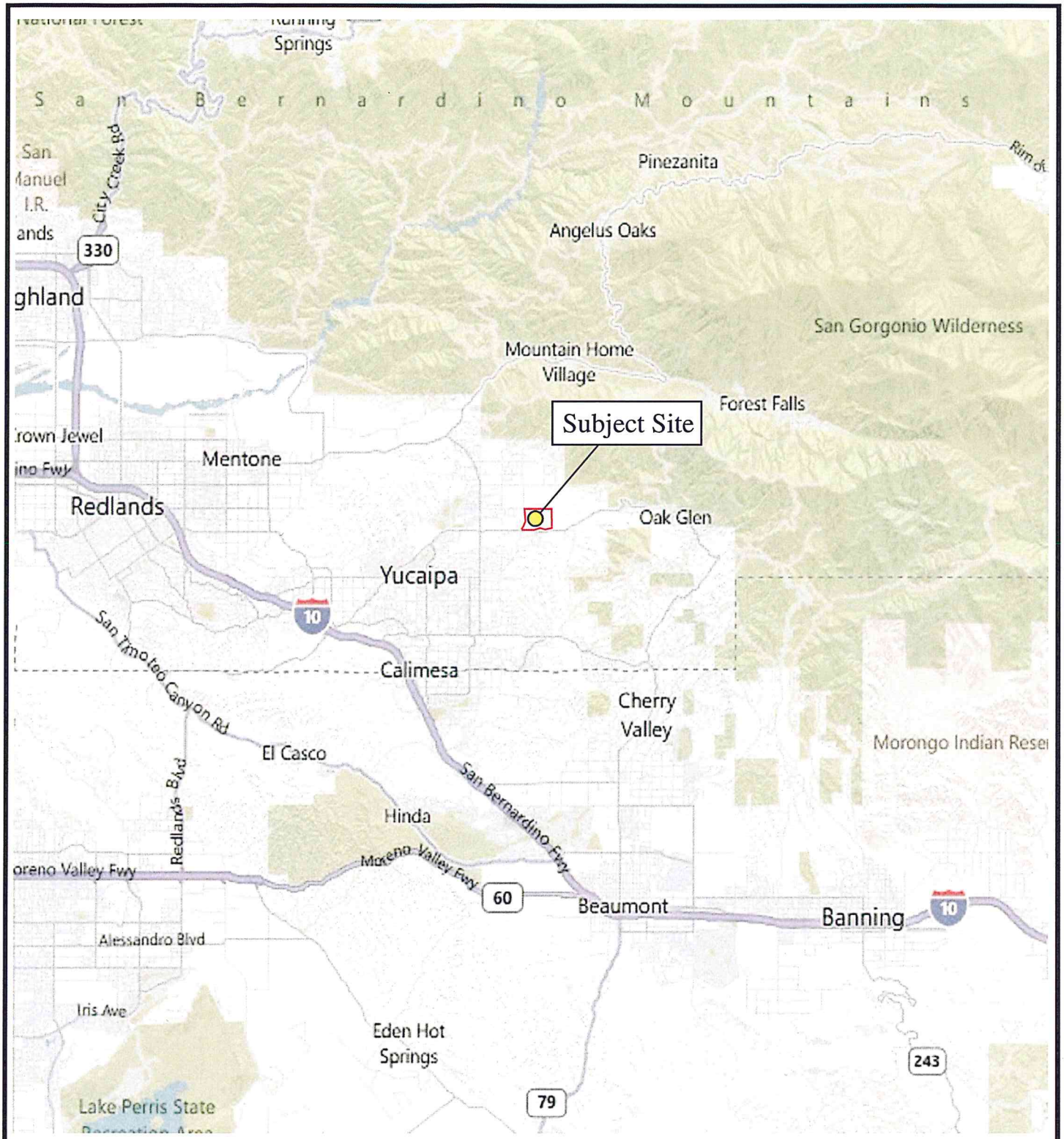
REFERENCES

California Environmental Protection Agency, 2005, California Human Health Screening Levels.

California Environmental Protection Agency, 2009, Revised California Human Health Screening Levels For Lead

Environmental Protection Agency, 2010, "EPA Region 9 Regional Screening Levels."

Petra Geotechnical, Inc., 2001, Phase I Environmental Site Assessment, 36104 Oak Glen Road, 240 Acres (APN Numbers 0321-082-15; 0321-101-02; -12; and -20), *Casa Blanca Ranch*, City of Yucaipa, San Bernardino County, California, dated December 19.



PETRA GEOTECHNICAL, INC.
40880 County Center Drive, Suite R
Temecula, California 92591
PHONE: (951) 600-9271
COSTA MESA TEMECULA PALM DESERT SAN DIEGO SANTA CLARITA

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Reference: Bing Maps

SITE LOCATION MAP

Meridian Land Development Project
Casa Blanca Ranch
City of Yucaipa, CA

DATE: Dec 2011	J.N.: 361-11	Figure 1
DWG BY: JC	SCALE: None	

EXPLANATION

Approximate Location of Site Boundry

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Reference: Bing Maps

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40880 County Center Drive, Suite R
Temecula, California 92591
Telephone: (951) 600-9271
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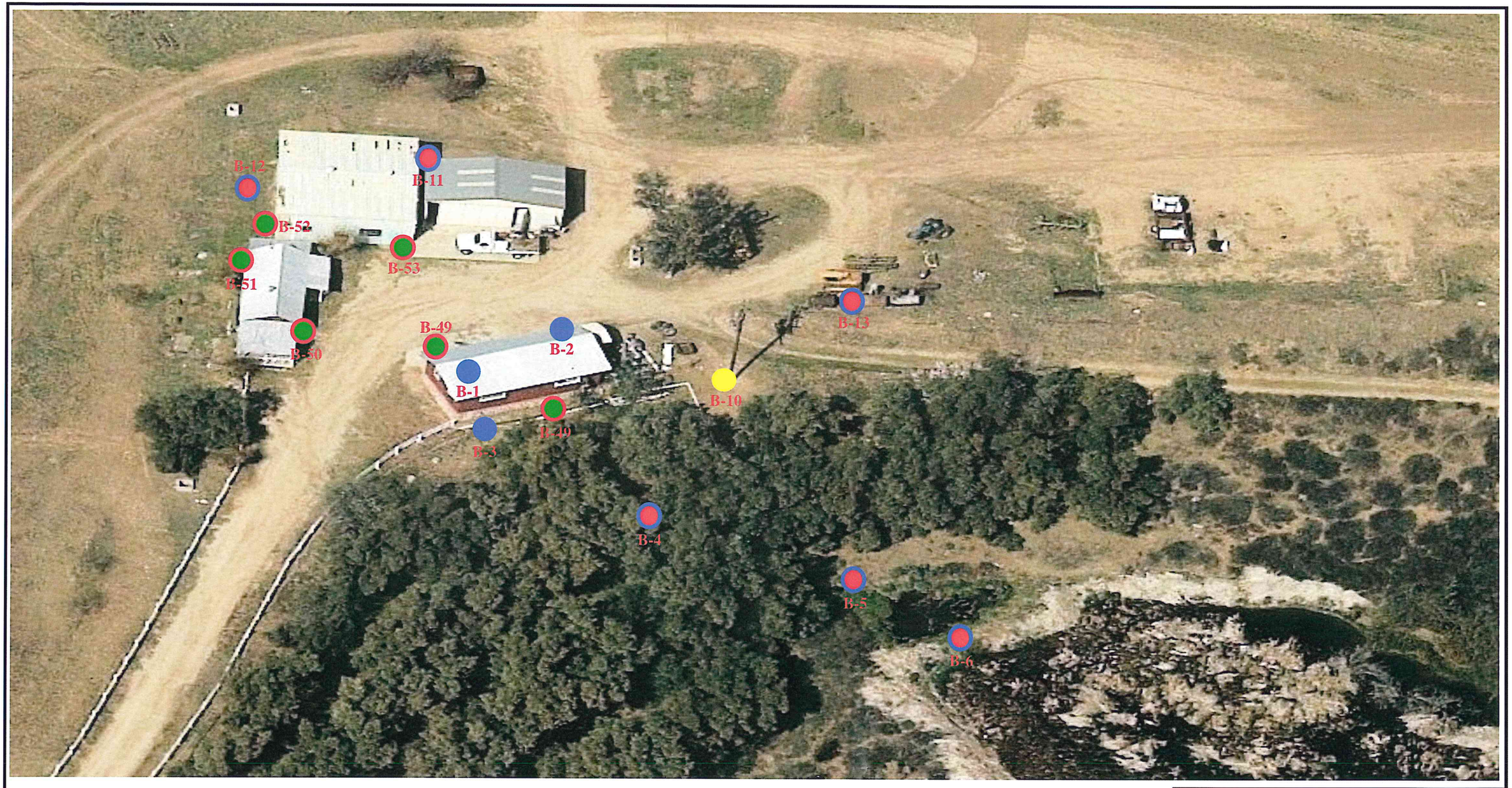
SITE PLAN

Meridian Land Development Project
Casa Blanca Ranch
City of Yucaipa, California

DATE: Dec 2011	J.N.: 361-11	**Figure 2**
DWG BY: JC	SCALE: N/A	



EXPLANATION

B-3 — Approximate Location of Boring Tested for Carbon Chain

B-13 — Approximate Location of Boring Tested for Carbon Chain and OCP's

B-10 — Approximate Location of Boring Tested for PCB's

B-52 — Approximate Location of Boring Tested for Lead and OCP's

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Reference: Bing Maps

PETRA GEOTECHNICAL, INC.
40880 County Center Drive, Suite R
Temecula, California 92591
Telephone: (951) 600-9271
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BORING LOCATION MAP

Meridian Land Development Project
Casa Blanca Ranch
City of Yucaipa, California

DATE: Dec 2011	J.N.: 361-11	Figure 3
DWG BY: JC	SCALE: N/A	

EXPLANATION

Approximate Location of Site Boundry

B-40 Approximate Location of Borings Tested for Carbon Chain and OCP's

B-47 Approximate Location of Borings Tested for OCP's

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Reference: Bing Maps

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40880 County Center Drive, Suite R
Temecula, California 92591
Telephone: (951) 600-9271
COSTA MESA TEMECULA PALM DESERT SAN DIEGO SANTA CLARITA

AGRICULTURE LAND USE BORING LOCATIONS

Meridian Land Development Project
Casa Blanca Ranch
City of Yucaipa, California

DATE: Dec 2011	J.N.: 361-11	**Figure 4**
DWG BY: JC	SCALE: N/A	

EXPLANATION

B-62 Approximate Location of Borings Tested for Carbon Chain

B-61 Approximate Location of Borings Tested for Lead and OCP's

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Reference: Bing Maps

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40880 County Center Drive, Suite R
Temecula, California 92591
Telephone: (951) 600-9271
COSTA MESA TEMECULA PALM DESERT SAN DIEGO SANTA CLARITA

BORING LOCATION MAP

Meridian Land Development Project
Casa Blanca Ranch
City of Yucaipa, California

DATE: Dec 2011	J.N.: 361-11	Figure 5
DWG BY: JC	SCALE: N/A	

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: December 14, 2011

Mr. Jon Cain
Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

Project: **361-11**
Lab I.D.: **111201-63 through -135**

Dear Mr. Cain:

The **additional analytical results** for the soil and water samples, received by our lab on December 1, 2011, are attached. The samples were received chilled, intact, accompanying chain of custody record and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/12/11
DATE ANALYZED: 12/12/11
DATE REPORTED: 12/14/11

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
B-1@2.0'	111201-64	ND	589*	2770	10
B-2@2.5'	111201-66	ND	ND	ND	1
B-3@2.5'	111201-68	ND	ND	ND	1
B-11@2.5'	111201-88	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

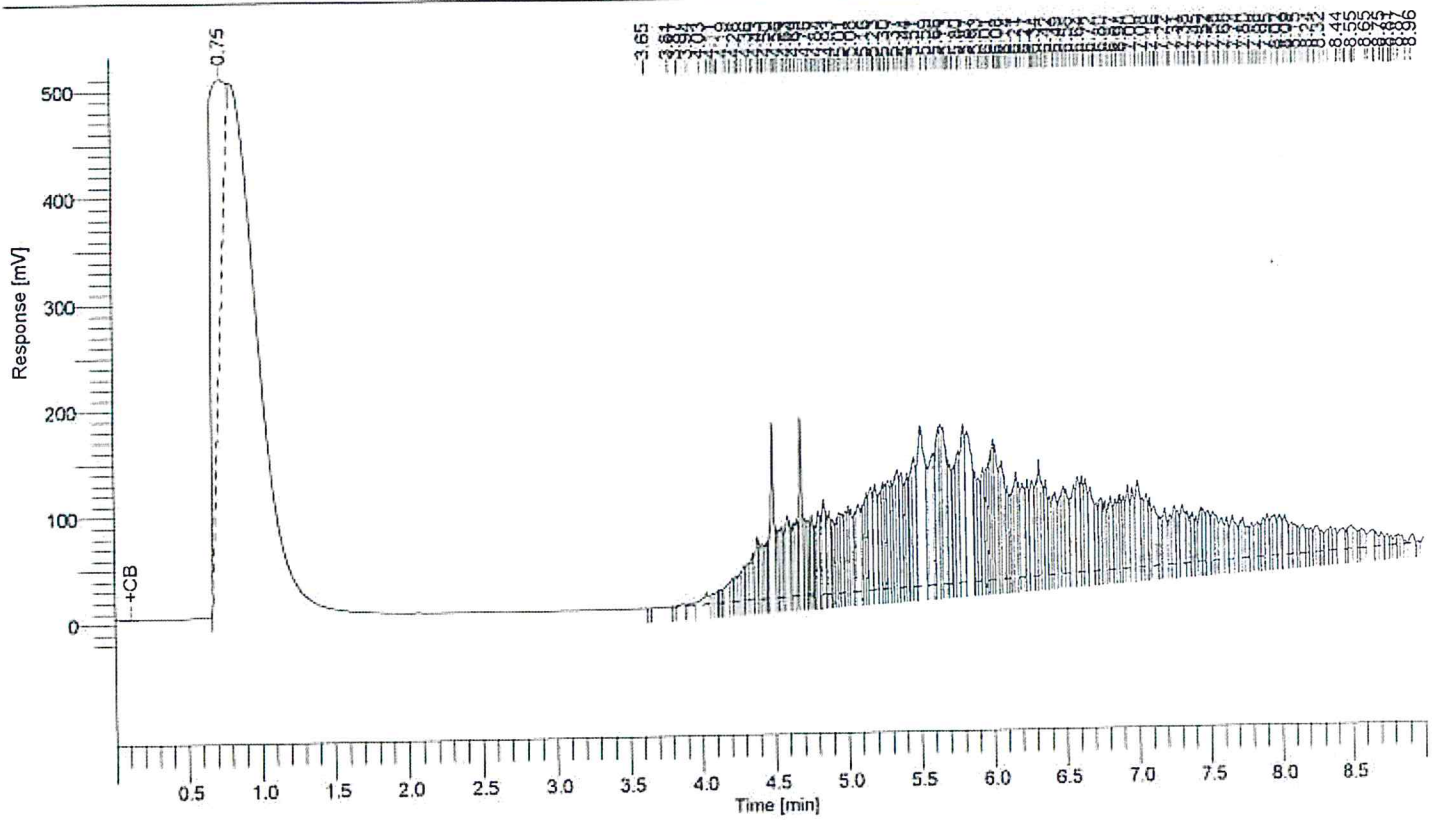
Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 70192
Sample Name : 111201-64 20/20 RE
Instrument Name : GC-I
Rack/Vial : 0/32
Sample Amount : 1.000000
Cycle : 1

Date : 12/13/2011 8:35:59 AM

Data Acquisition Time : 12/12/2011 6:57:29 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-I\I111212\A052.rst
Sequence File : D:\GC DATA\GC-I\I111212\I111212.seq
Sample Notes:
FAST EPA 8015 Analysis FOR CCID



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C11-C22	4910839	589.2
C23-C35	12542126	2766.6
	17452965	3355.7

Enviro Chem, Inc

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8015B QA/QC Report

Date Analyzed: 12/12/2011 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111209-25 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	2500	2584	103%	2599	104%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	172	86%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

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Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon Chain	8015B DCP	8081A								Misc. COMMENTS
								Analysis Required										
B-1 @ .5	111201-163	12-01-11	8:45	Soil	1		None	X										
B-1 @ 2.0'	-164		8:47					X										Hold
B-2 @ .5	-165		9:00					X										
B-2 @ 2.5'	-166		9:04					X										Hold
B-3 @ .5	-167		9:09					X										
B-3 @ 2.5'	-168		9:11					X										Hold
B-4 @ .5	-169		9:16					X	X									
B-4 @ 2.5	-170		9:20															Hold
B-5 @ .5	-171		9:25					X	X									
B-5 @ 2.5'	-172		9:27															Hold
B-5 @ 5.0'	-173		9:30															Hold
B-6 @ .5	-174		9:34					X	X									
B-6 @ 2.5	-175		9:37															Hold
B-6 @ 8.0'	-176		9:45															Hold

Company Name: Petra Geotechnical Inc.
Address: 38655 Sky Canyon Dr.
City/State/Zip: Murrieta CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by: 12-01-11 4:00
Relinquished by:
Relinquished by:

Received by:
Received by:
Received by:

Date & Time: 12/1/11 1600
Date & Time:
Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date:

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon chain	8015B	8081A PCB	8082	6010B	8082 PCB							Misc.	COMMENTS
								Analysis Required													
B-7 @ .5	111201-77	12-01-11	9:55	Soil	1		none	X	X												
B-7 @ 2.5'	-78		9:57																		Hold
B-8 @ .5	-79		10:00						X												
B-8 @ 2.5'	-80		10:04																		Hold
B-9 @ .5	-81		10:06						X												
B-9 @ 2.5'	-82		10:10																		Hold
B-10 @ .5	-83		10:15						X	X											
B-10 @ .5	-84		10:16							X											Dupe
B-10 @ 2.5'	-85		10:17																		Hold
B-10-Rinsate	-86		10:25	Water						X	X	X									Rinsate Equipment
B-11 @ .5	-87		10:37					X	X												
B-11 @ 2.5'	-88		10:39					X													Hold
B-12 @ .5'	-89		10:41					X	X												
B-12 @ 2.5'	-90		10:45																		Hold

Company Name: Petra Geotechnical Inc.
Address: 38655 Sky Canyon Dr.
City/State/Zip: Murrieta, CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by: 12-01-11 4:00
Received by: Date & Time: 1600
Relinquished by:
Received by: Date & Time:
Relinquished by:
Received by: Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: December 8, 2011

Mr. Jon Cain
Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

Project: **361-11**
Lab I.D.: **111201-63 through -135**

Dear Mr. Cain:

The **analytical results** for the soil and water samples, received by our lab on December 1, 2011, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

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Vice President/Program Manager

Andy Wang
Laboratory Manager

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/08/11

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
B-1@.5'	111201-63	ND	12.9*	115	1
B-2@.5'	111201-65	ND	ND	85.5	1
B-3@.5'	111201-67	ND	ND	54.9	1
B-4@.5'	111201-69	ND	ND	ND	1
B-5@.5'	111201-71	ND	ND	ND	1
B-6@.5'	111201-74	ND	ND	ND	1
B-11@.5'	111201-87	ND	ND	55.1	1
B-12@.5'	111201-89	ND	ND	ND	1
B-13@.5'	111201-91	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

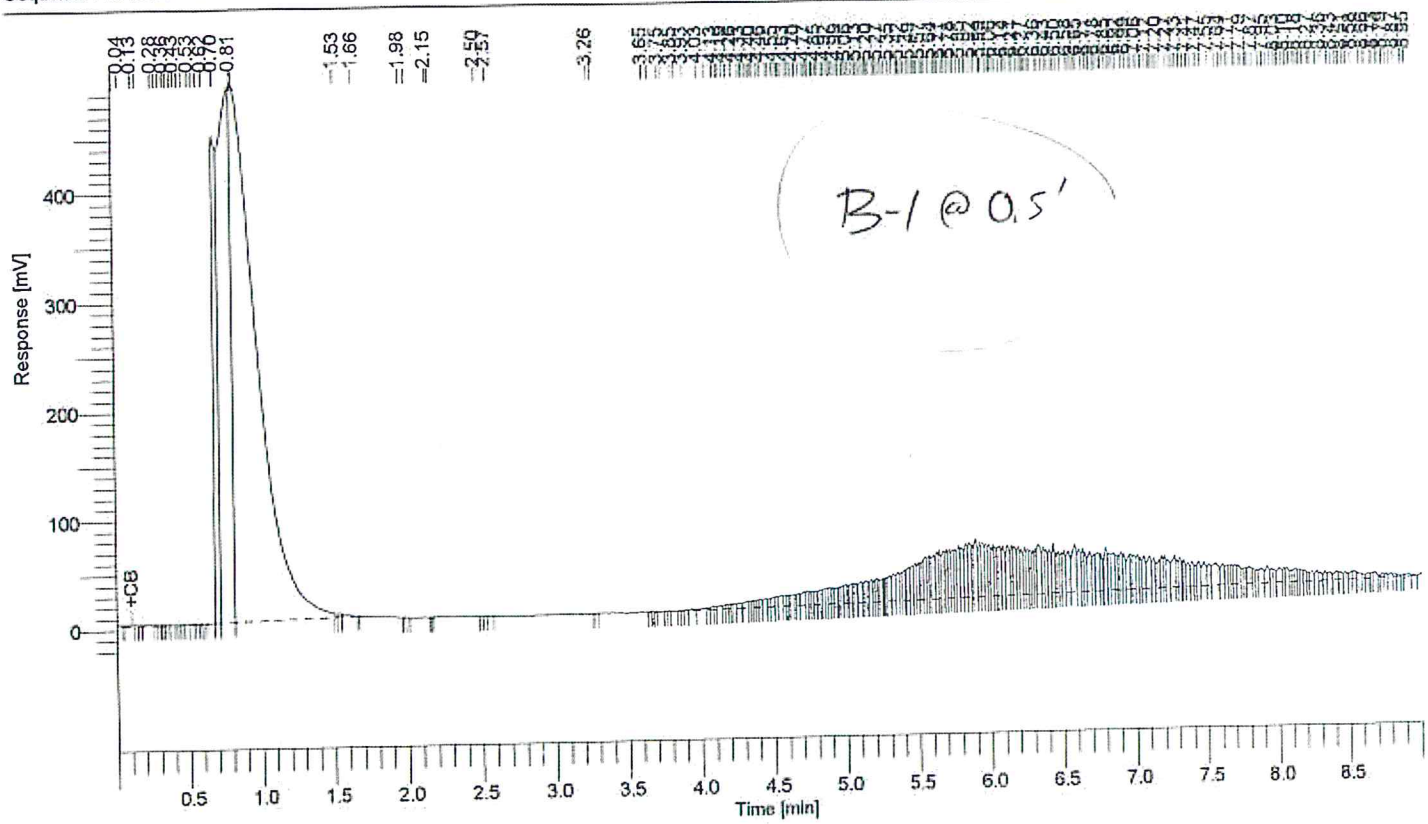
COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 111201-63 20/2
Instrument Name : GC-I
Rack/Vial : 0/14
Sample Amount : 1.000000
Cycle : 21

Date : 12/6/2011 3:26:33 PM
Data Acquisition Time : 12/5/2011 1:29:10 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-I\I111205\A025.rst
Sequence File : D:\GC DATA\GC-I\I111205\I111205.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C10	7373	38.2
C11-C22	924510	128.7
C23-C35	5213162	1150.6
	6145046	1317.4

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8015B QA/QC Report

Date Analyzed: 12/5/2011 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111201-69 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	2500	2490	100%	2512	100%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	190	95%	75-125

Analyzed and Reviewed By: ZC

Final Reviewer: CA

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
B-10@.5	111201-83	ND	ND	ND	ND	ND	ND	ND	ND	1
B-10@.5 Dup	111201-84	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260
*** = The concentration exceeds the TTLC Limit of 50, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Soil/Solid/Liquid/Sludge** Date Analyzed: **12/2/2011**

Unit: mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111202-LCS 1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0.00	1.00	0.834	**83%**	0.924	**92%**	**10%**	**0-20%**	**70-130**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.088	**88%**	**75-125**

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: ZL

Final Reviewer: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: WATER
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/08/11

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: uG/L = MICROGRAM PER LITER = PPB

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
B-10-Rinsate	111201-86	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
	PQL	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected Or Below the Actual Detection Limit
* = Sum of the PCB 1016, 1221, 1232, 1242, 1248, 1254 and 1260

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8082 (PCB)

Matrix: **Water/Liquid** Date Analyzed: **12/6/2011**

Unit: ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 111201-86 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP % RPD	ACP %REC
PCB (1016+1260)	0	100	78.5	79%	71.5	72%	9%	0-20%	70-130

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	10.0	9.0	90%	75-125

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: ZC

Final Reviewer: _____

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-4@.5'

LAB I.D.: 111201-69

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-5@.5'

LAB I.D.: 111201-71

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-6@.5'

LAB I.D.: 111201-74

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-7@.5'

LAB I.D.: 111201-77

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
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38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

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DATE REPORTED: 12/08/11

SAMPLE I.D.: B-8@.5'
LAB I.D.: 111201-79

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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Murrieta, CA 92563
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PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

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DATE REPORTED: 12/08/11

SAMPLE I.D.: B-9@.5'

LAB I.D.: 111201-81

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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PROJECT: 361-11
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SAMPLE I.D.: B-10@.5'

LAB I.D.: 111201-83

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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Murrieta, CA 92563
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PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

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SAMPLE I.D.: B-11@.5'

LAB I.D.: 111201-87

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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Murrieta, CA 92563
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PROJECT: 361-11
MATRIX: SOIL
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DATE REPORTED: 12/08/11

SAMPLE I.D.: B-12@.5'
LAB I.D.: 111201-89

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
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SAMPLE I.D.: B-13@.5'

LAB I.D.: 111201-91

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
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SAMPLE I.D.: B-14@.5',B-15@.5'(COMPOSITE)
LAB I.D.: 111201-93,-95(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: 361-11
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SAMPLE I.D.: B-16@.5',B-17@.5'(COMPOSITE)
LAB I.D.: 111201-97,-99(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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PROJECT: 361-11
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SAMPLE I.D.: B-18@.5',B-19@.5'(COMPOSITE)
LAB I.D.: 111201-101,-104(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: B-18@.5',B-19@.5'DUP(COMPOSITE)
LAB I.D.: 111201-101,-105(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: B-20@.5',B-21@.5'(COMPOSITE)
LAB I.D.: 111201-107,-109(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-22@.5',B-23@.5'(COMPOSITE)
LAB I.D.: 111201-111,-113(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-22@.5',B-23@.5'DUP(COMPOSITE)
LAB I.D.: 111201-111,-114(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-24@.5',B-25@.5'(COMPOSITE)
LAB I.D.: 111201-117,-119(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-26@.5',B-27@.5'(COMPOSITE)
LAB I.D.: 111201-121,-125(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-26@.5'DUP,B-27@.5'(COMPOSITE)
LAB I.D.: 111201-122,-125(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-28@.5',B-29@.5'(COMPOSITE)
LAB I.D.: 111201-127,-129(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-30@.5',B-31@.5'(COMPOSITE)
LAB I.D.: 111201-131,-133(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/02/11
DATE ANALYZED: 12/02/11
DATE REPORTED: 12/08/11

METHOD BLANK FOR LAB I.D.:
111201-69, -71, -74, -77, -79, -81, -83, -87, -89, -91,
111201-93,-95(COMPOSITE), 111201-97,-99(COMPOSITE),
111201-101,-104(COMPOSITE), -111201-101,105(COMPOSITE),
111201-107,-109(COMPOSITE), 111201-111,-113(COMPOSITE),
111201-111,-114(COMPOSITE), 111201-117,-119(COMPOSITE),
111201-121,-125(COMPOSITE), 111201-122,-125(COMPOSITE),
111201-127,-129(COMPOSITE), 111201-131,-133(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid** Date Analyzed: **12/2/2011**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111201-69 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.0500	0.0515	**103%**	0.0551	**110%**	**7%**	**0-20%**	**70-130**
Aldrin	0.000	0.0500	0.0470	**94%**	0.0554	**111%**	**16%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.0500	0.0468	**94%**	0.0546	**109%**	**15%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00440	**88%**	**75-125**
Aldrin	0.00500	0.00447	**89%**	**75-125**
4,4-DDE	0.00500	0.00394	**79%**	**75-125**
Dieldrin	0.00500	0.00431	**86%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111201-69	111201-71	111201-74	111201-77	111201-79	111201-81
Tetra-chloro-meta-xylene	50-150	113%	95%	91%	96%	85%	96%	81%
Decachlorobiphenyl	50-150	86%	79%	76%	74%	74%	76%	78%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111201-83	111201-87	111201-89	111201-91	111201-93,95	111201-97,99	111201-101,104	111201-101,105
Tetra-chloro-meta-xylene	90%	105%	135%	95%	84%	93%	82%	92%
Decachlorobiphenyl	68%	55%	118%	84%	74%	71%	88%	84%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111201-107,109	111201-111,113	111201-111,114	111201-117,119	111201-121,125	
Tetra-chloro-meta-xylene	83%	112%	89%	86%	82%	
Decachlorobiphenyl	73%	78%	73%	63%	70%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: ZC

Final Reviewer: _____

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid** Date Analyzed: **12/2/2011**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111201-122,125 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.0500	0.0550	**110%**	0.0481	**96%**	**13%**	**0-20%**	**70-130**
Aldrin	0.000	0.0500	0.0536	**107%**	0.0482	**96%**	**11%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.0500	0.0416	**83%**	0.0348	**70%**	**18%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00474	**95%**	**75-125**
Aldrin	0.00500	0.00427	**85%**	**75-125**
4,4-DDE	0.00500	0.00513	**103%**	**75-125**
Dieldrin	0.00500	0.00513	**103%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111201-122,125	111201-127,129	111201-131,133			
Tetra-chloro-meta-xylene	50-150	102%	124%	83%	132%			
Decachlorobiphenyl	50-150	60%	97%	71%	84%			

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene								
Decachlorobiphenyl								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobiphenyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: WATER
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-31-Rinsate
LAB I.D.: 111201-135

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: ug/L = Microgram per Liter = PPB

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.100	1
alpha-BHC	ND	0.100	1
beta-BHC	ND	0.100	1
gamma-BHC (Lindane)	ND	0.100	1
delta-BHC	ND	0.100	1
alpha-Chlordane	ND	0.100	1
gamma-Chlordane	ND	0.100	1
Technical Chlordane	ND	0.500	1
4,4'-DDD	ND	0.100	1
4,4'-DDE	ND	0.100	1
4,4'-DDT	ND	0.100	1
Dieldrin	ND	0.100	1
Endosulfan I	ND	0.100	1
Endosulfan II	ND	0.100	1
Endosulfan Sulfate	ND	0.100	1
Endrin	ND	0.100	1
Endrin Aldehyde	ND	0.100	1
Endrin Ketone	ND	0.100	1
Heptachlor Epoxide	ND	0.100	1
Heptachlor	ND	0.100	1
Methoxyclor	ND	0.100	1
Toxaphene	ND	20.0	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

Data Reviewed and Approved by:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: WATER
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/08/11

METHOD BLANK FOR LAB I.D.: 111201-135

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: ug/L = Microgram per Liter = PPB

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.100	1
alpha-BHC	ND	0.100	1
beta-BHC	ND	0.100	1
gamma-BHC (Lindane)	ND	0.100	1
delta-BHC	ND	0.100	1
alpha-Chlordane	ND	0.100	1
gamma-Chlordane	ND	0.100	1
Technical Chlordane	ND	0.500	1
4,4'-DDD	ND	0.100	1
4,4'-DDE	ND	0.100	1
4,4'-DDT	ND	0.100	1
Dieldrin	ND	0.100	1
Endosulfan I	ND	0.100	1
Endosulfan II	ND	0.100	1
Endosulfan Sulfate	ND	0.100	1
Endrin	ND	0.100	1
Endrin Aldehyde	ND	0.100	1
Endrin Ketone	ND	0.100	1
Heptachlor Epoxide	ND	0.100	1
Heptachlor	ND	0.100	1
Methoxyclor	ND	0.100	1
Toxaphene	ND	20.0	1

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Non detected or below the Actual Detection Limit

Data Reviewed and Approved by:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Water/Liquid** Date Analyzed: 12/6/2011
Unit: ug/L

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: **111201-86 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0	5.00	6.51	**130%**	5.80	**116%**	**12%**	**0-20%**	**70-130**
Aldrin	0	5.00	5.35	**107%**	6.03	**121%**	**12%**	**0-20%**	**70-130**
4,4-DDE	0	5.00	5.04	**101%**	4.82	**96%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.500	0.569	**114%**	**75-125**
Aldrin	0.500	0.517	**103%**	**75-125**
4,4-DDE	0.500	0.411	**82%**	**75-125**
Dieldrin	0.500	0.441	**88%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111201-86	111201-135	111202-4			
Tetra-chloro-meta-xylene	50-150	115%	97%	103%	116%			
Decachlorobipneyl	50-150	66%	67%	76%	51%			

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene								
Decachlorobipneyl								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result
spk conc = Spike Concentration
%REC = Percent Recovery
ACP %RPD = Acceptable Percent RPD Range
ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: ZI

Final Reviewer: _____

* = Surrogate fail due to matrix interference

Note: LCS, MS, MSD are in control therefore results are in control.

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-14@.5',B-15@.5'(COMPOSITE)
LAB I.D.: 111201-93,-95(COMPOSITE)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-18@.5',B-19@.5'(COMPOSITE)
LAB I.D.: 111201-101,-104(COMPOSITE)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/08/11

METHOD BLANK FOR LAB I.D.:
111201-93,-95(COMPOSITE), 111201-101,-104(COMPOSITE)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8141A QA/QC Report

Matrix: **Solid/Soil/Sludge** Date Analyzed: **12/6-7/2011**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111202-20 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Bolstar	0.00	2.50	2.37	**95%**	2.51	**100%**	**6%**	**0-30%**	**40-140**
Ethoprop	0.00	2.50	2.68	**107%**	2.69	**108%**	**0%**	**0-30%**	**40-140**
Ronnel	0.00	2.50	3.09	**124%**	3.12	**125%**	**1%**	**0-30%**	**40-140**
Phorate	0.00	2.50	2.26	**90%**	2.31	**92%**	**2%**	**0-30%**	**40-140**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Bolstar	0.250	0.241	**96%**	**40-140**
Ethoprop	0.250	0.239	**96%**	**40-140**
Ronnel	0.250	0.244	**98%**	**40-140**
Phorate	0.250	0.211	**84%**	**40-140**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111201-93,95	11201-101,104	111202-20	111202-21	111202-22	111202-23
Tributyl Phosphate	40-140	81%	93%	108%	100%	95%	103%	98%
Triphenyl Phosphate	40-140	45%	52%	64%	62%	58%	67%	64%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111202-24	111202-25,28	111202-26,28	111206-2ABC	111206-3ABC	111206-4ABC	111206-5ABC	111206-6ABC
Tributyl Phosphate	104%	104%	107%	124%	111%	119%	111%	128%
Triphenyl Phosphate	79%	79%	78%	111%	113%	112%	104%	116%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111206-21	111206-22	111206-23	111206-24	111206-25	
Tributyl Phosphate	117%	113%	115%	121%	121%	
Triphenyl Phosphate	127%	99%	107%	179*%	107%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: AV

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06-07/11
DATE ANALYZED: 12/07/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-14@.5',B-15@.5'(COMPOSITE)
LAB I.D.: 111201-93,-95(COMPOSITE)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06-07/11
DATE ANALYZED: 12/07/11
DATE REPORTED: 12/08/11

SAMPLE I.D.: B-18@.5',B-19@.5'(COMPOSITE)
LAB I.D.: 111201-101,-104(COMPOSITE)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/01/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/01/11
DATE EXTRACTED: 12/06-07/11
DATE ANALYZED: 12/07/11
DATE REPORTED: 12/08/11

METHOD BLANK FOR LAB I.D.:
111201-93,-95(COMPOSITE), 111201-101,-104(COMPOSITE)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid** Date Analyzed: **12/7-8/2011**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 111207-LCS 1/2

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.500	0.637	**127%**	0.685	**137%**	**7%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0458	92%	**70-130**
2,4,5-TP	0.0500	0.0555	111%	**70-130**
2,4-DB	0.500	0.367	73%	**70-130**

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	111201-93,95	111201-101,104	111202-25,28	111202-26,28	111206-2ABC	111206-3ABC	111206-4ABC
DCAA	50-150	142%	128%	128%	132%	148%	131%	131%	138%

Analyte	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:	111206-5ABC	111206-6ABC							
DCAA	106%	129%							

Analyte	%REC	%REC	%REC	%REC					
Sample ID:									
DCAA									

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon Chain	8015B	DCP 8081A								Misc.
								Analysis Required										COMMENTS
B-1 @ .5	111201-63	12-01-11	8:45	Soil	1		NONE	X										
B-1 @ 2.0'	-64		8:47															Hold
B-2 @ .5	-65		9:00					X										
B-2 @ 2.5'	-66		9:04															Hold
B-3 @ .5	-67		9:09					X										
B-3 @ 2.5'	-68		9:11															Hold
B-4 @ .5	-69		9:16					X	X									
B-4 @ 2.5	-70		9:20															Hold
B-5 @ .5	-71		9:25					X	X									
B-5 @ 2.5'	-72		9:27															Hold
B-5 @ 5.0'	-73		9:30															Hold
B-6 @ .5	-74		9:34					X	X									
B-6 @ 2.5'	-75		9:37															Hold
B-6 @ 8.0'	-76		9:45															Hold

Company Name: Petra Geotechnical Inc.
Address: 38655 Sky Canyon Dr.
City/State/Zip: Murrieta, CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by:	Received by:	Date & Time:
12-01-11 4:00		12/1/11 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon chain	8015B	ccp 8081A	PCB 8082	Lead 6010B	PCB 8082								Misc. / COMMENTS
								Analysis Required													
B-7@.5	111201-77	12-01-11	9:55	Soil	1		NONE	X	X												
B-7@2.5'	-78		9:57																		Hold
B-8@.5	-79		10:00						X												
B-8@2.5'	-80		10:04																		Hold
B-9@.5	-81		10:06						X												
B-9@2.5'	-82		10:10																		Hold
B-10@.5	-83		10:15						X	X											
B-10@.5	-84		10:16							X											Dupe
B-10@2.5'	-85		10:17																		Hold
B-10-Rinsate	-86		10:25	Water						X	X	X									Rinsate Equipment
B-11@.5	-87		10:37					X	X												
B-11@2.5'	-88		10:39																		Hold
B-12@.5'	-89		10:41					X	X												
B-12@2.5'	-90		10:45																		Hold

Company Name: Petra Geotechnical Inc.
Address: 38655 Sky Canyon Dr.
City/State/Zip: Murrieta, CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by:	Received by:	Date & Time:
12-01-11 4:00		12/1/11 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon Chain	8015B	OCP 8081A	OPP 8141A	CH 8151A					COMMENTS
								Analysis Required									
B-13 @ .5	111201-91	12-01-11	10:50	Soil	1		None	X	X							Composite	B-13
B-13 @ 2.5'	-92		10:53														Hold
B-14 @ .5	-93		11:43						X	X	X					Composite	B-14 @ .5' + B-15 @ .5'
B-14 @ 2.5'	-94		11:45														Hold
B-15 @ .5	-95		11:50						X	X	X					Composite	B-15 @ .5' + B-14 @ .5'
B-15 @ 2.5'	-96		11:52														Hold
B-16 @ .5	-97		12:05						X							Composite	B-16 @ .5' + B-17 @ .5'
B-16 @ 2.5'	-98		12:07														Hold
B-17 @ .5	-99		12:14						X							Composite	B-17 @ .5' + B-16 @ .5'
B-17 @ 2.5'	-100		12:16														Hold
B-18 @ .5	-101		12:35						X	X	X					Composite	B-18 @ .5' + B-19 @ .5'
B-18 @ 2.5'	-102		12:37														Hold
B-18 @ 5.0'	-103		12:48														Hold

Company Name: Petra Geotechnical Inc.
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Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by: 12-01-11 4:00	Received by:	Date & Time: 12/1/11 1600	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
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CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon Chain	8015B	OCP 8081A	OPP 8141A	CH 8151A					COMMENTS
B-19@.5'	111201-104	12-01-1	12:53	Soil	1		None		X	X	X					Composite	B-19@.5' + B-18@.5' +
B-19@.5'	-105		12:54						X								Dupe
B-19@2.5'	-106		12:55														Hold
B-20@.5	-107		1:15						X							Composite	B-20@.5' + B-21@.5' +
B-20@2.5'	-108		1:17														Hold
B-21@.5	-109		1:30						X							Composite	B-21@.5' + B-20@.5' +
B-21@2.5'	-110		1:33														Hold
B-22@.5	-111		1:38						X							Composite	B-22@.5' + B-23@.5' +
B-22@2.5'	-112		1:40														Hold
B-23@.5	-113		1:44						X							Composite	B-23@.5' + B-22@.5' +
B-23@.5	-114		1:45						X								Dupe
B-23@2.5'	-115		1:48														Hold
B-23@5.0'	-116		1:50														Hold

Analysis Required

Company Name: Petra Geotechnical Inc.
Address: 38655 Sky Canyon Dr.
City/State/Zip: Murrieta, CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by:	Received by:	Date & Time:
12-01-11 4:00		12/1/11 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

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Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
✓ 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION Carbon Chain	8015B	DRP 8081A	DRP 8141A	CA 8151A					COMMENTS
								Analysis Required								
B-24@.5'	111201-117	12-01-11	2:00	Soil	1		NONE		X						composite	B-24@.5' B-25@.5' +
B-24@2.5'	-118		2:02													Hold
B-25@.5'	-119		2:10						X						composite	B-25@.5' B-24@.5' +
B-25@2.5'	-120		2:12													Hold
B-26@.5'	-121		2:15						X						composite	B-26@.5' B-27@.5' +
B-26@.5'	-122		2:16						X							Pupe
B-26@2.5'	-124		2:18													Hold
B-26@5.0'	-123		2:20													Hold
B-27@.5'	-125		2:37						X						composite	B-27@.5' B-26@.5' +
B-27@2.5'	-126		2:35													Hold
B-28@.5'	-127		2:44						X						composite	B-28@.5' B-29@.5' +
B-28@2.5'	-128		2:46													Hold
B-29@.5'	-129		2:53						X						composite	B-29@.5' B-28@.5' +
B-29@2.5'	-130		2:55													Hold

Company Name: Petra Geotechnical Inc.
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Project Contact: Jon Cain
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Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by:	Received by:	Date & Time:
12-01-11 4:00		12/1/11 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: _____

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Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon Chain	8015B	OCP 8081A	OPP 8141A	CH 8151A					COMMENTS
B-30 @ .5	111201-131	12-01-11	3:00	soil	1		None		X					Composite			B-30 @ .5' + B-31 @ .5' + Hold
B-30 @ 2.5	-132		3:02														
B-31 @ .5	-133		3:09						X					Composite			B-31 @ .5' + B-30 @ .5' + Hold
B-31 @ 2.5	-134		3:11														
B-31 Rinsate	-135		3:20	Water					X								Rinsate Equipment

Analysis Required

Company Name: Petra Geotechnical Inc.
Address: 38655 Sky Canyon Dr.
City/State/Zip: Murrieta, CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by:	Received by:	Date & Time:
12-01-11 4:00		12/1/11 1600
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: December 9, 2011

Mr. Jon Cain
Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

Project: **361-11**
Lab I.D.: **111202-25 through -97**

Dear Mr. Cain:

The **analytical results** for the soil and water samples, received by our lab on December 2, 2011, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
B-2@.5'	111202-30	ND	ND	66.1	1
B-11@.5'	111202-31	ND	214*	1460	10
B-40@.5'	111202-46	ND	ND	ND	1
B-40@.5'Dup	111202-47	ND	ND	ND	1
B-45@.5'	111202-58	ND	ND	ND	1
B-62@.5'	111202-95	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

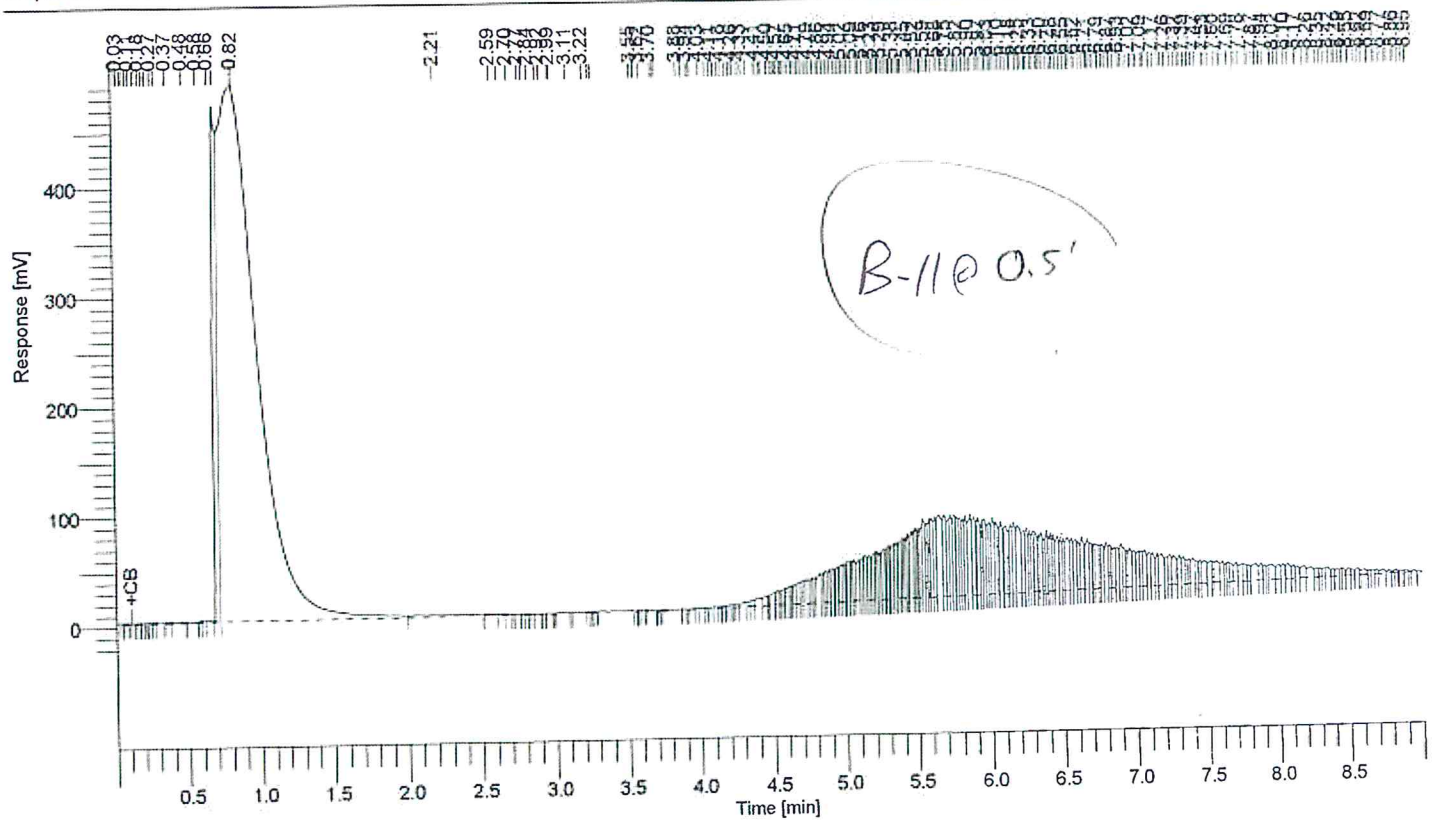
COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 111202-31 20/20 RE
Instrument Name : GC-I
Rack/Vial : 0/29
Sample Amount : 1.000000
Cycle : 40

Date : 12/6/2011 3:25:41 PM
Data Acquisition Time : 12/5/2011 5:19:29 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-I\I111205\A044.rst
Sequence File : D:\GC DATA\GC-I\I111205\I111205.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C10	27598	42.8
C11-C22	1662107	213.9
C23-C35	6613652	1459.4
	8303357	1716.0

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 12/5/2011 Units: mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111201-69 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11~C22 Range	0	2500	2490	100%	2512	100%	1%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11~C22 Range	200	190	95%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: WATER
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: ug/L = MICROGRAM PER LITER = PPB

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
B-40 Rinsate	111202-49	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	500	500	3000	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 12/5/2011 **Units:** ug/L (PPB)

Matrix: **Water/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111201-45 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C11-C22 RANGE	0	150000	143000	95%	149000	99%	4%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C11-C22 RANGE	12000	14200	118%	75-125

Analyzed and Reviewed by: ZC

Final Reviewer: [illegible]

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

EPA 6010B FOR TTLC-LEAD
UNITS: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TTLC-LEAD RESULT	DF
B-48@.5',B-49@.5' (COMPOSITE)	111202-64,-67 (COMPOSITE)	6.06	1
B-48@.5'DUP,B-49@.5' (COMPOSITE)	111202-65,-67 (COMPOSITE)	7.65	1
B-50@.5',B-51@.5' (COMPOSITE)	111202-69,-71 (COMPOSITE)	53.0 *	1
B-52@.5',B-53@.5' (COMPOSITE)	111202-73,-76 (COMPOSITE)	5.37	1
B-52@.5'DUP,B-53@.5' (COMPOSITE)	111202-75,-76 (COMPOSITE)	5.17	1
B-54@.5',B-55@.5' (COMPOSITE)	111202-78,-80 (COMPOSITE)	55.1 *	1
B-56@.5',B-57@.5' (COMPOSITE)	111202-82,-84 (COMPOSITE)	327 *	1
B-58@.5',B-59@.5' (COMPOSITE)	111202-86,-88 (COMPOSITE)	258 *	1
B-60@.5',B-61@.5' (COMPOSITE)	111202-90,-93 (COMPOSITE)	182 *	1
B-60@.5'DUP,B-61@.5' (COMPOSITE)	111202-91,-93 (COMPOSITE)	176 *	1
Method Blank	---	ND	1
	PQL	0.50	

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = DF X PQL
ND = Non-Detected or below the Actual Detection Limit
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
STLC Limit for lead = 5 PPM
* = STLC analysis is recommended (if marked)
*** = The concentration exceeds the TTLC Limit @ 1000 PPM, therefore the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 12/6/2011

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	111202-8	1.00	104	PASS	0	50.0	50.7	101%	51.6	103%	2%
Cadmium(Cd)	111202-8	1.00	109	PASS	0	50.0	47.1	94%	47.8	96%	1%
Lead(Pb)	111202-8	1.00	108	PASS	0	50.0	44.8	90%	45.4	91%	1%

ANALYSIS DATE. : 12/5/2011

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	111205-LCS	0.125	94	PASS	0	0.125	0.110	88%	0.105	84%	5%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	PASS	PASS	PASS	PASS
Cadmium(Cd)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: WATER
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-61 Rinsate
LAB I.D.: 111202-97

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Lead(Pb)	ND	0.01	1	200.7

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: WATER
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

METHOD BLANK FOR LAB I.D.: 111202-97

TOTAL METALS ANALYSIS
UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Lead(Pb)	ND	0.01	1	200.7

COMMENTS
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for TTLC Metals Analysis --WATER MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 12/5/2011

Unit : mg/L(ppm)

Analysis	Spk.Sample BATCH ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Copper(Cu)	111202-97	1.00	86	PASS	0	1.00	1.03	103%	0.944	94%	9%
Lead(Pb)	111202-97	1.00	98	PASS	0	1.00	1.12	112%	1.07	107%	5%
Selenium(Se)	111202-97	1.00	86	PASS	0	1.00	1.06	106%	0.991	99%	7%

ANALYSIS DATE. : 12/1/2011

Analysis	Spk.Sample BATCH ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	111130-17	0.00250	98	PASS	0	0.00250	0.00201	80%	0.00213	85%	6%

MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Copper(Cu)	PASS	PASS	PASS	PASS
Lead(Pb)	PASS	PASS	PASS	PASS
Selenium(Se)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
Accepted Range	75 ~ 125	75 ~ 125	85 ~ 115	0 ~ 20

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-32@.5',B-33@.5'(COMPOSITE)
LAB I.D.: 111202-25,-28(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

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DATE REPORTED: 12/09/11

SAMPLE I.D.: B-32@.5'DUP,B-33@.5'(COMPOSITE)
LAB I.D.: 111202-26,-28(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: **361-11**
MATRIX: SOIL
DATE SAMPLED: 12/02/11
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SAMPLE I.D.: **B-34@.5',B-35@.5'(COMPOSITE)**
LAB I.D.: 111202-33,-35(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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PROJECT: 361-11
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SAMPLE I.D.: B-36@.5',B-37@.5'(COMPOSITE)
LAB I.D.: 111202-37,-39(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: **361-11**
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SAMPLE I.D.: **B-38@.5',B-39@.5'(COMPOSITE)**
LAB I.D.: 111202-41,-43(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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SAMPLE I.D.: B-38@.5',B-39@.5'DUP(COMPOSITE)
LAB I.D.: 111202-41,-44(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
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SAMPLE I.D.: B-40@.5',B-41@.5'(COMPOSITE)
LAB I.D.: 111202-46,-50(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
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SAMPLE I.D.: B-40@.5'DUP,B-41@.5'(COMPOSITE)
LAB I.D.: 111202-47,-50(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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Murrieta, CA 92563
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SAMPLE I.D.: **B-42@.5',B-43@.5'(COMPOSITE)**
LAB I.D.: 111202-52,-54(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: B-44@.5',B-45@.5'(COMPOSITE)
LAB I.D.: 111202-56,-58(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: B-46@.5',B-47@.5'(COMPOSITE)
LAB I.D.: 111202-60,-62(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

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SAMPLE I.D.: B-48@.5',B-49@.5'(COMPOSITE)
LAB I.D.: 111202-64,-67(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10*
alpha-BHC	ND	0.001	10*
beta-BHC	ND	0.001	10*
gamma-BHC (Lindane)	ND	0.001	10*
delta-BHC	ND	0.001	10*
alpha-Chlordane	ND	0.001	10*
gamma-Chlordane	ND	0.001	10*
Technical Chlordane	ND	0.005	10*
4,4'-DDD	ND	0.001	10*
4,4'-DDE	ND	0.001	10*
4,4'-DDT	ND	0.001	10*
Dieldrin	ND	0.001	10*
Endosulfan I	ND	0.001	10*
Endosulfan II	ND	0.001	10*
Endosulfan Sulfate	ND	0.001	10*
Endrin	ND	0.001	10*
Endrin Aldehyde	ND	0.001	10*
Endrin Ketone	ND	0.001	10*
Heptachlor Epoxide	ND	0.001	10*
Heptachlor	ND	0.001	10*
Methoxyclor	ND	0.001	10*
Toxaphene	ND	0.020	10*

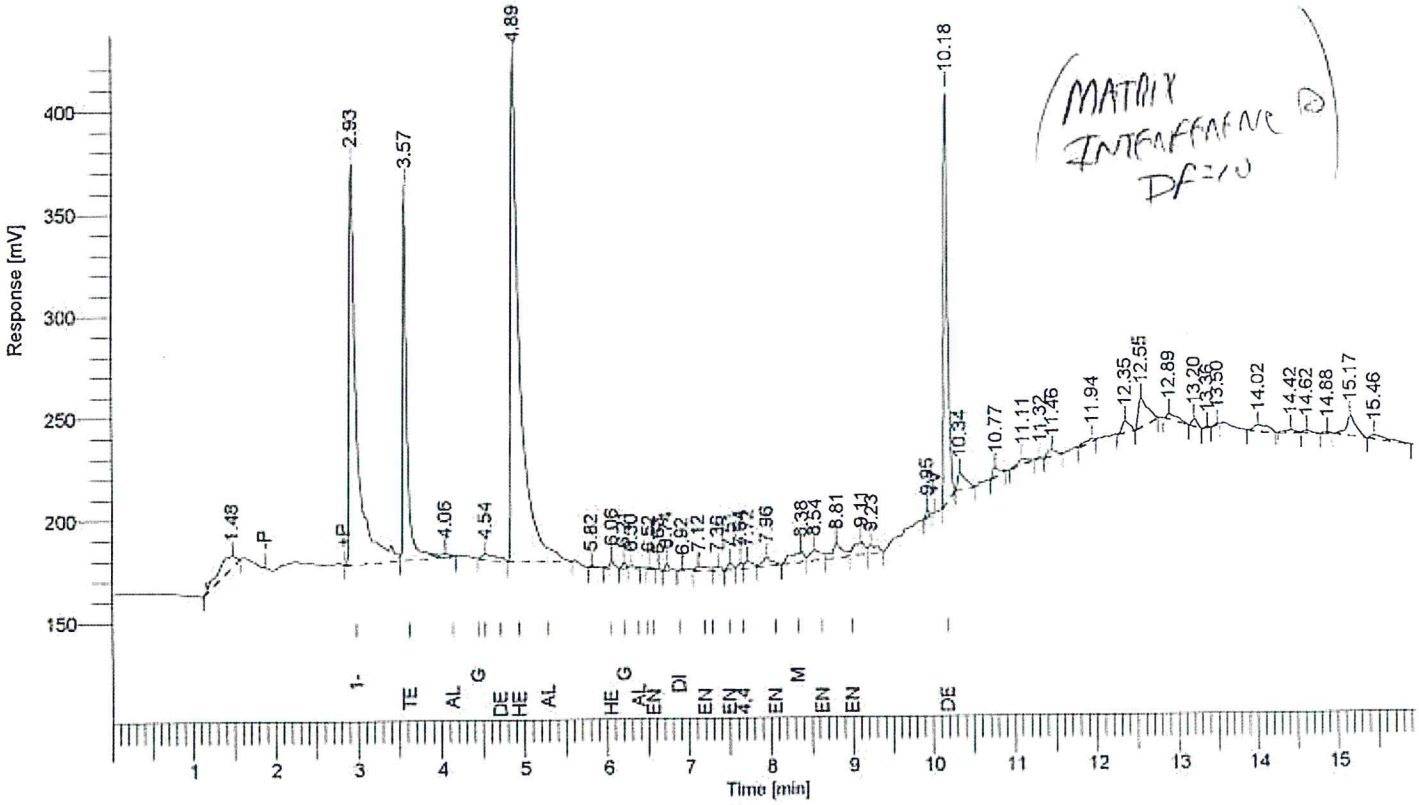
COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 111202-64,67 20/20
Instrument Name : GC-E
Rack/Vial : 0/6
Sample Amount : 1.000000
Cycle : 7

Date : 12/6/2011 2:23:01 PM
Data Acquisition Time : 12/5/2011 12:59:31 PM
Channel : A
Operator : tcprocess
Dilution Factor : 1.000000

Result File : D:\GC DATA\GC-E\E111205\A007.rst
Sequence File : D:\GC DATA\GC-E\E111205\E111205.seq



Results

Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
1-Bromo-2-Nitrobenze	2.93	1257006	196054	----------
Tetra chloro-meta-xy	3.57	630842	180621	91.6859
Alpha-BHC	4.06	16414	1876	0.0005
Heptachlor	4.89	1837870	247998	0.0614
Gamma Chlordane	6.06	12381	3419	0.0004
Alpha-Chlordane	6.30	5128	1019	0.0002
Endosulfan I	6.52	2933	870	0.0001
Dieldrin	6.74	14697	3667	0.0005
Endrin	7.12	22627	2220	0.0011
Endosulfan II	7.36	11180	1670	0.0005
4,4' DDT	7.51	13554	3088	0.0007
Endrin Aldhyde	7.96	32696	4025	0.0015
Endosulfan Sulfate	8.54	49699	4958	0.0022
Endrin Ketone	8.81	59607	6769	0.0023
Decachlorobiphenyl	10.18	633630	199162	64.6530
		4600263	857417	156.4104

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LABORATORY REPORT

CUSTOMER: **Petra Geotechnical Inc.**
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: **361-11**
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: **B-48@.5'DUP,B-49@.5'(COMPOSITE)**
LAB I.D.: 111202-65,-67(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-50@.5',B-51@.5'(COMPOSITE)
LAB I.D.: 111202-69,-71(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-52@.5',B-53@.5'(COMPOSITE)
LAB I.D.: 111202-73,-76(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Petra Geotechnical Inc.**
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: **361-11**
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: **B-54@.5',B-55@.5'(COMPOSITE)**
LAB I.D.: 111202-78,-80(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-56@.5',B-57@.5'(COMPOSITE)
LAB I.D.: 111202-82,-84(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	0.002	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-58@.5',B-59@.5'(COMPOSITE)
LAB I.D.: 111202-86,-88(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-60@.5',B-61@.5'(COMPOSITE)
LAB I.D.: 111202-90,-93(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-60@.5'DUP,B-61@.5'(COMPOSITE)
LAB I.D.: 111202-91,-93(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/05/11
DATE ANALYZED: 12/05/11
DATE REPORTED: 12/09/11

METHOD BLANK FOR LAB I.D.:
111202-25,-28(COMPOSITE), 111202-26,-28(COMPOSITE), 111202-33,-35(COMPOSITE),
111202-37,-39(COMPOSITE), 111202-41,-43(COMPOSITE), 111202-41,-44(COMPOSITE),
111202-46,-50(COMPOSITE), 111202-47,-50(COMPOSITE), 111202-52,-54(COMPOSITE),
111202-56,-58(COMPOSITE), 111202-60,-62(COMPOSITE), 111202-64,-67(COMPOSITE),
111202-65,-67(COMPOSITE), 111202-69,-71(COMPOSITE), 111202-73,-76(COMPOSITE),
111202-78,-80(COMPOSITE), 111202-82,-84(COMPOSITE), 111202-86,-88(COMPOSITE),
111202-90,-93(COMPOSITE), 111202-91,-93(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid** Date Analyzed: **12/5/2011**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **111202-25,28 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.0500	0.0544	**109%**	0.0543	**109%**	**0%**	**0-20%**	**70-130**
Aldrin	0.000	0.0500	0.0487	**97%**	0.0491	**98%**	**1%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.0500	0.0453	**91%**	0.0445	**89%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00481	**96%**	**75-125**
Aldrin	0.00500	0.00481	**96%**	**75-125**
4,4-DDE	0.00500	0.00557	**111%**	**75-125**
Dieldrin	0.00500	0.00503	**101%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111202-25,28	111202-26,28	111202-33,35	111202-37,39	111202-41,43	111202-41,44
Tetra-chloro-meta-xylene	50-150	99%	80%	106%	104%	13%	105%	91%
Decachlorobiphenyl	50-150	75%	55%	76%	68%	88%	78%	79%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111202-46,50	111202-47,50	111202-52,54	111202-56,58	111202-60,62	111202-64,67	111202-65,67	111202-69,71
Tetra-chloro-meta-xylene	87%	89%	93%	95%	88%	92%	97%	99%
Decachlorobiphenyl	70%	108%	71%	76%	75%	65%	54%	63%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111202-73,76	111202-78,80	111202-82,84	111202-86,88	111202-90,93	111202-91,93
Tetra-chloro-meta-xylene	75%	106%	107%	107%	108%	100%
Decachlorobiphenyl	67%	59%	58%	82%	66%	62%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-52@.5',B-52@.5'DUP(COMPOSITE)
LAB I.D.: 111202-73,-75(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

METHOD BLANK FOR LAB I.D.: 111202-73,-75(COMPOSITE)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Technical Chlordane	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxyclor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid** Date Analyzed: **12/6/2011**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 111202-73,75 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.0500	0.0550	**110%**	0.0529	**106%**	**4%**	**0-20%**	**70-130**
Aldrin	0.000	0.0500	0.0487	**97%**	0.0473	**95%**	**3%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.0500	0.0378	**76%**	0.0432	**86%**	**13%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00538	**108%**	**75-125**
Aldrin	0.00500	0.00487	**97%**	**75-125**
4,4-DDE	0.00500	0.00469	**94%**	**75-125**
Dieldrin	0.00500	0.00484	**97%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111202-73,75	111206-2	111206-3	111206-4	111206-5	111206-6
Tetra-chloro-meta-xylene	50-150	99%	105%	97%	84%	90%	106%	109%
Decachlorobiphenyl	50-150	68%	59%	78%	55%	57%	63%	59%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene								
Decachlorobiphenyl								

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene								
Decachlorobiphenyl								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: ZC

Final Reviewer: C

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-32@.5',B-33@.5'(COMPOSITE)
LAB I.D.: 111202-25,-28(COMPOSITE)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-32@.5'DUP,B-33@.5'(COMPOSITE)
LAB I.D.: 111202-26,-28(COMPOSITE)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

METHOD BLANK FOR LAB I.D.:
111202-25,-28(COMPOSITE), 111202-26,-28(COMPOSITE)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Azinphos Methyl	ND	0.05	1
Bolstar (Sulprofos)	ND	0.05	1
Chlorpyrifos	ND	0.05	1
Coumaphos	ND	0.05	1
Demeton-O	ND	0.05	1
Demeton-S	ND	0.05	1
Diazinon	ND	0.05	1
Dichlorvos	ND	0.05	1
Disulfoton	ND	0.05	1
Ethoprop	ND	0.05	1
Fensulfothion	ND	0.05	1
Fenthion	ND	0.05	1
Merphos	ND	0.05	1
Methyl Parathion	ND	0.05	1
Mevinphos	ND	0.10	1
Naled	ND	0.10	1
Phorate	ND	0.05	1
Ronnel	ND	0.05	1
Tetrachlorvinphos (Stirophos)	ND	0.05	1
Tokuthion (Prothiofos)	ND	0.05	1
Trichloronate	ND	0.05	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8141A QA/QC Report

Matrix: **Solid/Soil/Sludge** Date Analyzed: **12/6-7/2011**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 111202-20 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Bolstar	0.00	2.50	2.37	**95%**	2.51	**100%**	**6%**	**0-30%**	**40-140**
Ethoprop	0.00	2.50	2.68	**107%**	2.69	**108%**	**0%**	**0-30%**	**40-140**
Ronnel	0.00	2.50	3.09	**124%**	3.12	**125%**	**1%**	**0-30%**	**40-140**
Phorate	0.00	2.50	2.26	**90%**	2.31	**92%**	**2%**	**0-30%**	**40-140**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Bolstar	0.250	0.241	**96%**	**40-140**
Ethoprop	0.250	0.239	**96%**	**40-140**
Ronnel	0.250	0.244	**98%**	**40-140**
Phorate	0.250	0.211	**84%**	**40-140**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	111201-93,95	11201-101,104	111202-20	111202-21	111202-22	111202-23
Tributyl Phosphate	40-140	81%	93%	108%	100%	95%	103%	98%
Triphenyl Phosphate	40-140	45%	52%	64%	62%	58%	67%	64%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111202-24	111202-25,28	111202-26,28	111206-2ABC	111206-3ABC	111206-4ABC	111206-5ABC	111206-6ABC
Tributyl Phosphate	104%	104%	107%	124%	111%	119%	111%	128%
Triphenyl Phosphate	79%	79%	78%	111%	113%	112%	104%	116%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	111206-21	111206-22	111206-23	111206-24	111206-25	
Tributyl Phosphate	117%	113%	115%	121%	121%	
Triphenyl Phosphate	127%	99%	107%	179*%	107%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06-07/11
DATE ANALYZED: 12/07/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: B-32@.5',B-33@.5'(COMPOSITE)
LAB I.D.: 111202-25,-28(COMPOSITE)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: **361-11**
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06-07/11
DATE ANALYZED: 12/07/11
DATE REPORTED: 12/09/11

SAMPLE I.D.: **B-32@.5'DUP,B-33@.5'(COMPOSITE)**
LAB I.D.: 111202-26,-28(COMPOSITE)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

PROJECT: 361-11
MATRIX: SOIL
DATE SAMPLED: 12/02/11
REPORT TO: MR. JON CAIN

DATE RECEIVED: 12/02/11
DATE EXTRACTED: 12/06-07/11
DATE ANALYZED: 12/06/11
DATE REPORTED: 12/09/11

METHOD BLANK FOR LAB I.D.:
111202-25,-28(COMPOSITE), 111202-26,-28(COMPOSITE)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
2,4,5-T	ND	0.020	1
2,4,5-TP (Silvex)	ND	0.020	1
2,4-D	ND	0.200	1
2,4-DB	ND	0.200	1
Dalapon (Dichloroacetic Acid)	ND	0.500	1
Dicamba	ND	0.020	1
Dichloroprop	ND	0.200	1
Dinoseb (DNBP)	ND	0.100	1
MCPA	ND	20.0	1
MCPP	ND	20.0	1

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid** Date Analyzed: **12/7-8/2011**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 111207-LCS 1/2

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.500	0.637	**127%**	0.685	**137%**	**7%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0458	92%	**70-130**
2,4,5-TP	0.0500	0.0555	111%	**70-130**
2,4-DB	0.500	0.367	73%	**70-130**

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	111201-93,95	111201-101,104	111202-25,28	111202-26,28	111206-2ABC	111206-3ABC	111206-4ABC
DCAA	50-150	142%	128%	128%	132%	148%	131%	131%	138%

Analyte	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:	111206-5ABC	111206-6ABC							
DCAA	106%	129%							

Analyte	%REC	%REC	%REC	%REC					
Sample ID:									
DCAA									

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon Chain	8015B	OCP 8081A	OPP 8141A	CH 8151A	Lead 6010B					COMMENTS
B-32 @ .5	1112022-25	12-02-11	8:20	Soil	1		NONE			X	X	X						B-32 @ .5' + B-33 @ .5' composite
B-32 @ .5	-26		8:22							X	X	X						Dupe
B-32 @ 2.5	-27		8:25															Hold
B-33 @ .5	-28		8:48							X								B-33 @ .5' + B-32 @ .5' composite
B-33 @ 2.5	-29		8:45															Hold
B-2 @ .5'	-30		7:50						X									Dupe
B-11 @ .5'	-31		7:56						X									Dupe
B-32 @ 4'	-32		8:28															Hold
B-34 @ .5	-33		8:56							X								B-34 @ .5' + B-35 @ .5' composite
B-34 @ 2.5	-34		8:59															Hold
B-35 @ .5	-35		9:20							X								B-35 @ .5' + B-34 @ .5' composite
B-35 @ 2.5	-36		9:24															Hold
B-36 @ .5	-37		9:29							X								B-36 @ .5' + B-37 @ .5' composite
B-36 @ 2.5	-38		9:33															Hold

Analysis Required

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City/State/Zip: Murrieta CA 92563

Project Contact: Jon Cain
Tel: 951-600-9271
Fax:

Sampler's Signature:
Project Name/ID: 361-11

Relinquished by:	Received by:	Date & Time:
12-02-11 2:59		12/2/11 1500
Relinquished by:	Received by:	Date & Time:
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Carbon chain	8015B	DRO 8015A	ORP 8141A	CH 8151A	LEAD 6010B					COMMENTS
								Analysis Required										
B-37 @ .5	1112-39	12-02-11	9:41	Soil	1		None		X					Composite				B-37 @ .5' + B-36 @ .5' +
B-37 @ 2.5	-40		9:44															Hold
B-38 @ .5	-41		9:51						X					Composite				B-38 @ .5' + B-39 @ .5' +
B-38 @ 2.5	-42		9:53															Hold
B-39 @ .5	-43		9:58	Soil	1				X					Composite				B-39 @ .5' + B-38 @ .5' +
B-39 @ 0.5	-44		10:00	Soil	1				X									Dupe
~~B-39 @ .5 OOA~~																		
~~B-40 2.5 OOA~~																		
B-39 @ 2.5	-45		10:02	Soil	1													Hold
B-40 @ .5	-46	12-02-11	10:17					X	X					Composite				B-40 @ .5' + B-41 @ .5' +
B-40 @ .5	-47		10:21					X	X									Dupe
B-40 @ 2.5	-48		10:19															Hold
B-40 Rinsate	-49	12-02-11	10:25	Water				X										Rinsate Equipment

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B-41 @ .5	1112102-40	12-02-11	10:39	soil	1		None		X								Composite	B-41 @ .5' B-40 @ .5' + Hold
B-41 @ 2.5	-41		10:40															
B-42 @ .5	-42		10:53						X								Composite	B-42 @ .5' B-43 @ .5' + Hold
B-42 @ 2.5	-43		10:55															
B-43 @ .5	-44		11:04						X								Composite	B-43 @ .5' B-42 @ .5' + Hold
B-43 @ 2.5	-45		11:06															
B-44 @ .5	-46		11:29						X								Composite	B-44 @ .5' B-45 @ .5' + Hold
B-44 @ 2.5	-47		11:34															
B-45 @ .5	-48		12:40					X	X								Composite	B-45 @ .5' B-44 @ .5' + Hold
B-45 @ 2.5	-49		12:44															
B-46 @ .5	-60		12:09						X								Composite	B-46 @ .5' B-47 @ .5' + Hold
B-46 @ 2.5	-61	12:11	~~12:09~~															
B-47 @ .5	-62		12:19						X								Composite	B-47 @ .5' B-46 @ .5' + Hold
B-47 @ 2.5	-63		12:21															

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SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	LEAD 6010 B	Termiticide 8081A					COMMENTS
								Analysis Required						
B-48 @ .5	11202-64	12-02-11	12:31	Soil	1		NONE	X	X				Composite	B-48 @ .5' B-49 @ .5' +
B-48 @ .5	-65		12:32					X	X					Dupe
B-48 @ 2.5	-66		12:35											Hold
B-49 @ .5	-67		12:40					X	X				Composite	B-49 @ .5' B-48 @ .5' +
B-49 @ 2.5	-68		12:42											Hold
B-50 @ .5	-69		12:45					X	X				Composite	B-50 @ .5' B-51 @ .5' +
B-50 @ 2.5	-70		12:47											Hold
B-51 @ .5	-71		12:52					X	X				Composite	B-51 @ .5' B-50 @ .5' +
B-51 @ 2.5	-72		12:53											Hold
B-52 @ .5	-73		12:57					X	X				Composite	B-52 @ .5' B-53 @ .5' +
B-52 @ 2.5	-74		12:58											Hold
B-53 @ .5	-75		1:00					X	X				~~Composite~~	~~B-52 @ .5'~~ B-53 ~~Dupe~~
B-53 @ 2.5	-76	12-02-11	1:04	Soil	1			X	X				Composite	B-53 @ .5', Dupe TB-52 @ .5'
B-53 @ 2.5	-77		1:06				NONE							Hold
~~B-54 @ 0.5~~														

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B-54 @ .5	1112102-78	12-02-11	1:22	soil	1		NONE	X	X					Composite	B-54 @ .5' B-55 @ .5' +
B-54 @ 2.5	-79		1:25												Hold
B-55 @ .5	-80		1:28					X	X					Composite	B-55 @ .5' B-54 @ .5' +
B-55 @ 2.5	-81		1:35												Hold
B-56 @ .5	-82		1:38					X	X					Composite	B-56 @ .5' B-57 @ .5' +
B-56 @ 2.5	-83		1:39												Hold
B-57 @ .5	-84		1:42					X	X					Composite	B-57 @ .5' B-56 @ .5' +
B-57 @ 2.5	-85		1:44												Hold
B-58 @ .5	-86		1:47	soil	1		NONE	X	X					Composite	B-58 @ .5' B-59 @ .5' +
B-58 @ 2.5	-87		1:48												Hold
B-59 @ .5	-88		1:51					X	X					Composite	B-59 @ .5' B-58 @ .5' +
B-59 @ 2.5	-89		1:53												Hold
B-60 @ .5	-90		2:02					X	X					Composite	B-60 @ .5' B-61 @ .5' +
B-60 @ .5	-91		2:04					X	X						Dupe
B-60 @ 2.5	-92		2:06												Hold

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B-61 @ .5	111202-93	12-02-11	2:09	Soil	1		NONE	X	X							Composite	B-61 @.5' B-60 @.5' +
B-61 @ 2.5	-94		2:11														
B-62 @.5	-95		2:18							X							Oil Tank
B-62 @ 2.5	-96		2:20														
B-61 Rinsate	-97		2:15	water				X									Equipment Rinsate water

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