

## **APPENDIX H2**

# **HAZARDOUS MATERIALS PHASE 2 ENVIRONMENTAL SITE ASSESSMENT**

Prepared for:



Orange County Transportation Authority  
Agreement C-6-1108

# Transit Security & Operations Center (TSOC)

1512-20 W. Lincoln Ave, Anaheim, California

APN 250-111-03 & 250-122-12

Final Phase II

September 26, 2017

V2 01-17-18\_Final

Prepared by:



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STV Project No. 4018849



## Phase II Environmental Site Assessment

OCTA-TSOC, Lincoln Avenue Site  
Anaheim, California

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**January 2018**



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January 15, 2018  
Project 17-03318

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**Subject: Phase II Environmental Site Assessment  
OCTA-TSOC, Lincoln Avenue Site, Anaheim, California**

Dear Mr. Fierce:

This report presents the findings of a Phase II Environmental Site Assessment (ESA) completed by Rincon Consultants, Inc. for the proposed Orange County Transportation Authority Transit Security & Operations Center (OCTA-TSOC) Lincoln Avenue project site located south of W Lincoln Avenue and west of S Manchester Avenue in Anaheim, California. The Phase II ESA was performed for STV Incorporated on behalf of OCTA by Rincon Consultants, Inc. The work was conducted based on the findings of our Draft Phase I ESA, dated August 28, 2017, which identified recognized environmental conditions (RECs) in connection with the project site. This Phase II ESA includes the results of soil matrix and soil vapor sampling conducted at the project site.

Thank you for selecting Rincon for this project. If you have any questions, or if we can be of any future assistance, please contact us.

Sincerely,  
**RINCON CONSULTANTS, INC.**

A handwritten signature in blue ink, appearing to read 'Sarah A. Larese'.

Sarah A. Larese  
Senior Environmental Scientist

A handwritten signature in blue ink, appearing to read 'Walt Hamann'.

Walt Hamann, PG, CEG, CHG  
Vice President



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# 1 Executive Summary

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This report presents the results of a Phase II Environmental Site Assessment (ESA) for the proposed Orange County Transportation Authority Transit Security & Operations Center (OCTA-TSOC) Lincoln Avenue project site located south of W Lincoln Avenue and west of S Manchester Avenue in Anaheim, California (Figure 1, Vicinity Map). The Phase II ESA was performed for STV Incorporated (STV) on behalf of OCTA by Rincon Consultants, Inc. (Rincon). The work was conducted based on the findings of our previous Draft Phase I ESA, dated August 28, 2017, which identified the following recognized environmental conditions (RECs) in connection with the project site:

## Recognized Environmental Conditions (RECs)

- Historical and existing project site land uses including a former gasoline tank and existing inground hydraulic lifts and parts washers, and previously identified total petroleum hydrocarbon (TPH)-impacted soil on the project site

## Potential Recognized Environmental Conditions

- Adjacent automotive repair facilities, former adjacent gasoline service stations and adjacent gas transmission and hazardous liquid pipeline
- Western adjacent railroad tracks

To evaluate the project site impact associated with the identified REC and potential RECs, Rincon recommended conducting a soil matrix/soil vapor assessment at the project site. The following summarizes the soil matrix and soil vapor sampling that was conducted as part of this Phase II ESA.

On August 31, 2017, Rincon mobilized to the project site to advance a total of 24 borings. In twelve of the borings, soil vapor samples were collected at a depth of 5 feet below ground surface (bgs) and analyzed for volatile organic compounds (VOCs) and methane. In the remaining 13 borings, one collocated with a soil vapor sample, soil samples were collected at various depths and analyzed for one or more of the following: organochlorine pesticides (OCPs), herbicides, VOCs, metals, TPH, and polychlorinated biphenyls (PCBs).

Concentrations of TPH, VOCs, PCBs, herbicides, OCPs, and metals in soil were not detected above the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for residential soil. Although two concentrations of zinc exceeded the typical range of background concentrations established by the Kearny Foundation (1996), they did not exceed the respective ESL.

Trichloroethylene (TCE) was detected in two of the thirteen soil vapor samples analyzed (including one duplicate sample), ranging from 0.18 micrograms per liter ( $\mu\text{g/L}$ ) to 1.09  $\mu\text{g/L}$ . However, the concentrations of TCE detected were below the commercial/industrial ESL of 3.0  $\mu\text{g/L}$ . Methane was detected in three of the soil vapor samples analyzed, ranging from 5.45  $\mu\text{g/L}$  to 162.35  $\mu\text{g/L}$  (8.31 parts per million by volume [ppmv] to 247.47 ppmv). According to the Department of Toxic Substances Control (DTSC) Advisory on Methane Assessment and Common Remedies at School Sites dated June 16, 2005, a methane detection of 1,000 ppmv is considered a cautionary value at which a further methane investigation would be recommended. The detected concentrations of methane do not exceed the cautionary value determined by the DTSC.



During the current Phase II ESA assessment, none of the concentrations of constituents detected in the soil or soil vapor samples exceeded their respective commercial / industrial ESLs.

Based on the proposed commercial/ industrial use of the site and the fact that the detected concentrations of constituents do not exceed the commercial/industrial screening levels, no further assessment is recommended.

However, based on the previous assessments that were conducted at the project site from 1993 through 2004, hydrocarbon and lead-impacted soil were previously identified at numerous locations at 1512-1520 W Lincoln Avenue. The majority of the impacted soil was identified in the southern portion of the property at 1514 and 1516 W Lincoln Avenue to 10 feet below ground surface. Based on the findings of the previous assessments and the results of the current assessment, we recommend that a soil management plan be prepared that addresses issues associated with the impacted soils that will be encountered during future site excavation/ grading activities. Impacted soils will require special handling and should be removed in accordance with local environmental health regulations and requirements.

## 2 Introduction

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This report presents the results of a Phase II Environmental Site Assessment (ESA) conducted at the proposed Orange County Transportation Authority Transit Security & Operations Center (OCTA-TSOC) Lincoln Avenue project site located south of W Lincoln Avenue and west of S Manchester Avenue in Anaheim, California (Figure 1, Vicinity Map). The Phase II ESA was performed for STV Incorporated (STV) on behalf of OCTA by Rincon Consultants, Inc. (Rincon). The work was conducted based on the findings of our Draft Phase I ESA, dated August 28, 2017.

### 2.1 Project History

The following documents regarding the project history were provided by OCTA:

- *Phase I and II Environmental Site Assessment Report, Assessor Parcel Numbers 250-122-03, 250-122-04, 250-122-05, 250-122-06, 250-122-07, 250-111-01, and 250-111-02, City of Anaheim, Orange County, California* prepared by Leighton Consulting, Inc. and dated December 31, 2004 – Leighton Consulting, Inc. (Leighton) reviewed a 1993 subsurface investigation report conducted for the project site (by Leighton) during their 2004 Phase I ESA. The 1993 subsurface investigation was summarized by Leighton as follows:
  - Leighton advanced 14 hollow-stem auger borings within and adjacent to the former Econo Lube N' Tune #45 building and the existing automotive buildings on the project site. The results of the investigation showed polychlorinated biphenyls (PCBs) and halogenated volatile organic compounds (HVOCs) by EPA method 8010 and VOCs by EPA method 8240 were not detected, except for one soil sample collected inside the 1514 West Lincoln Avenue automotive shop, which contained 46 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) trichloroethylene (TCE) at a depth of 5 feet below grade. Total recoverable petroleum hydrocarbons (TRPH) by EPA method 418.1 were detected in 44 of the 86 soil samples with concentrations ranging between 8 and 10,100 milligrams per kilogram ( $\text{mg}/\text{kg}$ ). The samples



with TRPH concentrations above 1,000 mg/kg were located at the southern end of the automobile repair shops facility. Four soil samples were detected with lead concentrations greater than ten times the Soluble Threshold Limit Concentration (STLC). These samples were then analyzed for the Waste Extraction Test (WET). One of these samples (collected from the 1516 West Lincoln Avenue auto shop) was detected with a concentration of 7.35 milligrams per liter (mg/L), which is above the STLC of 5 mg/L and is considered a hazardous waste under California Title 22 regulations.

In the 2004 report, Leighton also summarized a subsurface investigation that was conducted by Woodward Clyde in 1997. The 1997 subsurface investigation was summarized by Leighton as follows:

- Woodward Clyde advanced four direct-push borings, each to a depth of 10 feet, along the eastern edge of the automotive repair facility to assess the lateral extent of petroleum impacted soils previously documented by Leighton in 1993. Petroleum hydrocarbons were reportedly not detected in the 16 soil samples that were submitted for analysis as part of the Woodward Clyde investigation.

Based on their review and their 2004 Phase I ESA findings, Leighton recommended that a remedial investigation be conducted to assess the lateral extent of hydrocarbon and lead-impacted soil identified on the southern portion of the property. In addition, on December 17, 2004, Leighton advanced nine soil borings in the area of previously identified hydrocarbon and lead-impacted soil. Total petroleum hydrocarbons (TPH) were detected in 2 of the 36 samples analyzed, ranging from 2,200 mg/kg to 2,400 mg/kg. Volatile organic compounds (VOCs) were not detected in any of the soil samples analyzed. This report identified the following concerns in connection with the project site:

- Possible presence of lead-based paint and asbestos-containing building materials in the onsite structure
- The presence of underground hydraulic lifts within the onsite structure
- Previously identified hydrocarbon and lead-impacted soil at numerous locations at 1512-1520 W Lincoln Avenue. The majority of the impacted soil was identified in the southern portion of the property at 1514 and 1516 W Lincoln Avenue to 10 feet below ground surface (bgs)
- Piles of unidentified debris in the northwest portion of the project site

Leighton recommended the following:

- Prior to demolition of the onsite structures, an asbestos and lead-paint survey should be completed. Based on the results of the survey, materials should be properly disposed.
- Following demolition of the onsite structures, the area of impacted soil and the removal of the onsite hydraulic lifts should be mitigated in accordance with regulatory agency requirements.
- The debris piles should be removed in accordance with regulatory guidelines.





*Report of Phase I Environmental Site Assessment, OCTA Excess Land Property, 1510-1520 West Lincoln Avenue, Anaheim, California* prepared by AMEC Environment & Infrastructure, Inc. (AMEC) and dated February 22, 2012 – Based on their own assessment and review of the 2004 Phase I and II conducted by Leighton, AMEC identified the former uses of the project site as tractor repairing/painting, automotive repair, and a former “gas tank.” AMEC recommended the following:

- Prepare a soil management plan that addresses issues associated with the impacted soils that will be encountered during future site excavation/ grading activities. Impacted soils will require special handling and should be removed in accordance with local environmental health regulations and requirements.
- Remove the inground hydraulic lifts and impacted surrounding soil
- Additional investigation could be conducted on other portions of the project site to address onsite and adjacent historical uses, specifically focusing on the northern portion of the property, in the area of the former “gas tank,” tractor/automobile repair buildings and adjacent gasoline service station
- Conduct an asbestos and lead-based paint survey to identify the locations of asbestos-containing building materials and lead-based paint surfaces

Rincon completed a Phase I ESA for the project site (draft report dated August 28, 2017). Based on the findings of the Phase I ESA, the following Recognized Environmental Condition (REC) and potential RECs were identified:

### **Recognized Environmental Conditions**

- Historical and existing project site land uses including a former gas tank and existing inground hydraulic lifts and parts washers, and previously identified TPH-impacted soil on the project site

### **Potential Recognized Environmental Conditions**

- Adjacent automotive repair facilities, former adjacent gasoline service stations and adjacent gas transmission and hazardous liquid pipeline
- Western adjacent railroad tracks

To evaluate the project site impact associated with the historical and current project site land uses, Rincon recommended conducting a soil matrix/soil vapor assessment on the vacant lot on the western portion of the project site (former industrial land uses), in the vicinity of the former gas tank, in the storage yard (previously used for automobile storage), adjacent to the parts washers inside the structures, and of the onsite soil piles.

To evaluate the project site impact associated with former and existing adjacent land uses, including western adjacent railroad tracks, as well as the location of gas transmission and hazardous liquid pipelines adjacent to the project site, Rincon recommended conducting a soil vapor/soil assessment. Soil vapor probes should be located along the perimeter of the project site and in the vicinity of impacted soil onsite. Rincon recommended that soil samples should be collected along the western adjacent property line, closest to the adjacent railroad tracks.

Based on the date of construction of the onsite structure between 1977 and 1987, asbestos and lead-based paint have the potential to be located on the project site. Although not considered a



REC, Rincon noted that renovation or demolition of the onsite structures may require an asbestos and LBP survey, and possibly abatement.

## 2.2 Scope of Work

The following tasks were performed as part of this Phase II ESA:

- **Health and Safety Plan.** A Health and Safety Plan was developed for the Phase II ESA sampling personnel. Rincon’s Health and Safety Plan outlines the measures to be followed to minimize exposure to onsite workers and the public. This document will be prepared prior to the commencement of field work. This document is required by Federal law.
- **Utility Notification.** Prior to the commencement of drilling activities, the project site was pre-marked and Underground Services Alert (USA) utility marking service was contacted to mark areas where underground public utilities might be located in the drilling area. California law requires this notification.
- **Soil and Soil Vapor Sampling.** Soil matrix sampling and soil vapor sampling were conducted at the project site according to the table below:

Area of Concern and Potential REC	Number of Borings	Sample Depths (feet bgs)	Matrix	Analysis
Western portion –former industrial use	3	2, 5, & 10	Soil	3 soil samples - TPH 3 soil samples - VOCs 3 soil samples - metals
Southwestern portion – adjacent railroad tracks	2	1 & 3	Soil	4 soil samples - TPH 4 soil samples – herbicides 4 soil samples - metals
Former gas tank onsite (unknown if this was AST or UST)	1	2, 5, 10 & 15	Soil Soil vapor	4 soil samples - TPH 4 soil samples - VOCs 4 soil samples – metals 1 soil vapor sample- VOCs/methane
Parts washers, stained areas and areas of TPH-impacted soil	5	5	Soil vapor	5 soil vapor samples- VOCs / methane
Hydraulic lifts	4	2, 5 & 10	Soil	12 soil samples - TPH 12 soil samples - PCBs



Area of Concern and Potential REC	Number of Borings	Sample Depths (feet bgs)	Matrix	Analysis
Eastern portion -auto storage areas (former agricultural)	3	2 & 5	Soil	6 soil samples - TPH 6 soil samples - VOCs 6 soil samples – metals 6 soil samples pesticides
Stockpiles	n/a	n/a	Soil	3 soil samples - TPH 3 soil samples - VOCs, 3 soil samples – metals 3 soil samples - pesticides 3 soil samples - PCBs
Adjacent gas stations and pipelines	6	5	Soil vapor	6 soil vapor samples- VOCs/ methane

- **Reporting.** Preparation of this report documenting our findings.

## 3 Geologic and Hydrogeologic Setting

### 3.1 Physical Setting Sources

#### 3.1.1 Topography

The current USGS topographic map (Anaheim Quadrangle, 2012) indicates that the project site is situated at an elevation of about 135 feet above mean sea level with topography sloping down to the southwest.

#### 3.1.2 Geology and Hydrogeology

According to *Soil Contamination Assessment and Remediation Report, Import Auto Supply Facility, 101 N Manchester, Anaheim, California* prepared by Genesis Environmental Corporation and dated November 28, 1994, the following geologic information was provided:

- “The site is located on the Peninsular Range Geomorphic Province of the Los Angeles Basin. The province is composed of northwest-trending low lying hills and mesas with alluvium and associated deposits of Recent of Pleistocene Age. The site is bounded by the Puente Hills to the northeast, the Santa Ana Mountains to the east, and the San Joaquin Hills to the south.”

This property is located adjacent to the south of the project site.



### 3.1.3 Site Geology

According to the 2004 Phase I & II ESA conducted for the project site, the project site is underlain by Holocene alluvial deposits consisting of unconsolidated to poorly consolidated, laterally discontinuous sand and gravel layers with intermittent silt and clay-rich layers.

### 3.1.4 Regional Groundwater Occurrence and Quality

According to the 2012 Phase I ESA, groundwater is encountered approximately 140 feet bgs. In addition, according to the 2004 Phase I ESA, groundwater flow direction beneath the project site is toward the south-southwest.

## 4 Sampling Methodology

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### 4.1 Soil Matrix Sampling

Under the direction of Rincon, Choice Drilling, advanced 13 borings at the project site (RB1 through RB13) using a limited access track-mounted Geoprobe rig as follows:

- **Hydraulic Lifts.** Four borings (RB1 through RB3, and RB13) were advanced in the vicinity of the hydraulic lifts to a depth of 10 feet below ground surface (bgs). Soil matrix samples were collected at 2, 5 and 10 feet bgs, for a total of 12 soil matrix samples.
- **Former Industrial Use.** Three borings (RB4 through RB6) were advanced in the area of former industrial uses to a depth of 10 feet bgs. Soil matrix samples were collected at 2, 5 and 10 feet bgs, for a total of 9 soil matrix samples.
- **Former Gas Tank.** One boring (RB7) was advanced in the area of the former gas tank to a depth of 15 feet bgs. Soil matrix samples were collected at 2, 5, 10 and 15 feet bgs, for a total of 4 soil matrix samples.
- **Railroad Tracks.** Two borings (RB8 and RB9) were advanced adjacent to the railroad tracks to a depth of 3 feet bgs. Soil matrix samples were collected at 1 and 3 feet bgs, for a total of 4 soil matrix samples.
- **Auto Storage Area.** Three borings (RB10 through RB12) were advanced in the vicinity of the former auto storage area to a depth of 5 feet bgs. Soil matrix samples were collected at 2 and 5 feet bgs in RB10 and RB11. A soil matrix sample was collected from RB12 only at 2 feet bgs, due to refusal encountered by the rig at 2 feet. A total of 5 soil matrix samples were collected from the former auto storage area.
- **Soil Stockpiles.** One soil sample was collected at each of the 3 soil stockpiles identified onsite (SP1, SP2 and SP3).

The Geoprobe hydraulically drives a rod into the ground. When the target soil sampling depth is reached, a soil sampler is attached to the end of the rod. The soil sampler consists of a 1 inch diameter tube equipped with an acetate liner. By advancing this sampler into the soil, soil is forced into the opening of the sampling tube and a sample is obtained. Once the sampler is filled, it is



retrieved and the sample liner is removed. The liner is then covered at each end with Teflon and tight-fitting plastic caps, labeled, and stored in a cooler with ice and transferred under chain of custody documentation to the analytical laboratory. Soil boring Logs are in Appendix A.

The samples were transported under chain-of-custody documentation by courier to BC Laboratories, Inc., a State-certified analytical laboratory in Bakersfield, California. All sampling equipment was decontaminated between uses by washing with Alconox detergent and water. All soil sampling was performed under the oversight of a California Professional Geologist.

## 4.2 Soil Vapor Sampling

Under the direction of Rincon, Optimal Technology advanced 12 borings (SV1 through SV12) on the project site by hydraulically pushing steel probes to a depth of 5 feet bgs. An electric rotary hammer drill was used to drill a 1.0-inch diameter hole through the overlying surface to allow probe placement. At each of the 12 boring locations, an electric vacuum pump was attached to the probe and purged prior to collection of the soil vapor sample. The soil vapor samples were collected in Hamilton gas-tight syringes and immediately injected into the gas chromatograph.

The locations of the soil matrix and soil vapor sampling locations are depicted in Figure 2, Soil Boring and Sampling Location Map. As indicated in Figure 2 and as described above, RB7 and SV7 were collocated.

# 5 Laboratory Analysis

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Soil samples collected from the project site were analyzed for one or more of the following:

- Total petroleum hydrocarbons (TPH) by EPA method 8015
- Volatile organic compounds (VOCs) by EPA method 8260B
- Total metals by EPA method 6010B and 7471A
- Polychlorinated biphenyls (PCBs) by EPA method 8082
- Organochlorine pesticides (OCPs) by EPA method 8081A
- Chlorinated herbicides by EPA method 8151A

Soil gas samples were analyzed for VOCs and methane by EPA Method 8021B.



## 6 Soil Matrix Sampling Results

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On August 31, 2017, Choice Drilling, under the supervision of Rincon, advanced 13 soil borings at the project site (RB1 through RB13). One boring location, RB7, was collocated with a soil vapor sampling location, SV7. Soil matrix samples were collected at various depths and were analyzed for a variety of constituents as shown in the table above. Results of the soil matrix analysis are shown in Tables 1 through 4. A copy of the soil matrix analytical report is included in Appendix B. Detected concentrations of constituents in soil were compared to San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs).

- **Hydraulic Lifts (RB1 through RB3, and RB13).**

TPH: TPH as gasoline (TPHg) and as diesel (TPHd) were not detected in any of the soil matrix samples collected and analyzed from RB1 through RB3 and RB13. However, with the exception of RB3-5, TPH as motor oil (TPHo) was detected in all of the soil matrix samples analyzed, ranging from 8.1 mg/kg to 2,100 mg/kg. All of the concentrations detected were below the commercial/industrial ESL (140,000 mg/kg) and residential ESL (11,000 mg/kg) for TPHo in shallow soil.

VOCs: Soil matrix samples collected from RB1 were analyzed for VOCs. Tetrachloroethene (PCE) was detected in RB1-2 at a concentration of 0.0017 mg/kg, which is below the commercial/industrial ESL (2.7 mg/kg) and residential ESLs (0.6 mg/kg). No other VOCs were detected in any of the soil matrix samples collected from RB1.

PCBs: Soil matrix samples collected from RB2, RB3 and RB13 were analyzed for PCBs. PCB-1016 and PCB-1260 were detected in RB1-2 at concentrations of 0.026 mg/kg and 0.0919 mg/kg, respectively. In addition, PCB-1260 was detected in RB13-2 at a concentration of 0.026 mg/kg. PCBs were not detected above the commercial/industrial ESL of 1.0 mg/kg or residential ESL of 0.25 mg/kg.

- **Former Industrial Use (RB4 through RB6).**

TPH: TPHg and TPHd were not detected in any of the soil matrix samples collected and analyzed from RB4, RB5 and RB6. However, TPHo was detected in RB4-2, RB5-2 and RB6-2 at concentrations ranging from 70 mg/kg to 880 mg/kg. All of the concentrations detected were below the commercial/industrial ESL (140,000 mg/kg) and residential ESL of 11,000 mg/kg.

VOCs: No VOCs were detected in the soil matrix samples collected and analyzed from RB4, RB5 and RB6.

Metals: Metals were detected in all of the soil samples analyzed. In RB4 and RB5, selenium was detected at concentrations of 1.9 mg/kg and 2.3 mg/kg, respectively, which exceeds its typical background concentration range of 0.015 mg/kg to 0.430 mg/kg. However, the concentrations of selenium do not exceed their residential ESL of 390 mg/kg. None of the other metals concentrations exceeded their typical background range or respective commercial/industrial or residential ESLs.

- **Former Gas Tank (RB7).**

TPH: TPHg was not detected in the soil matrix samples collected and analyzed from RB7. TPHd was detected at a concentration of 2.9 mg/kg in RB7-15, below its commercial industrial ESL of 1,100 mg/kg and residential ESL of 230 mg/kg. TPHo was detected in all four soil matrix samples



analyzed, ranging from 9.7 mg/kg to 520 mg/kg, below its commercial/industrial ESL (140,000 mg/kg) and residential ESL of 11,000 mg/kg.

VOCs: Benzene was detected in 3 of the 4 samples analyzed, ranging from 0.0016 mg/kg to 0.0020 mg/kg. Toluene was also detected in RB7-2 at a concentration of 0.0013 mg/kg. Both constituents were detected below their respective commercial/industrial and residential ESLs.

Metals: Metals were detected in all of the soil samples collected and analyzed from RB7. Although two concentrations of selenium, one concentration of thallium and one concentration of zinc exceeded their respective typical background concentration range, none of the detected concentrations of metals exceeded their respective ESLs.

▪ **Railroad Tracks (RB8 and RB9).**

TPH: TPHg and TPHd were not detected in any of the soil matrix samples collected and analyzed from RB8 and RB9. TPHo was detected in all 4 samples analyzed, ranging from 28 mg/kg to 870 mg/kg, below its commercial /industrial ESL (140,000 mg/kg) and residential ESL of 11,000 mg/kg.

Herbicides: Herbicides were not detected in any of the samples analyzed.

Metals: Metals were detected in all of the soil samples collected and analyzed from RB8 and RB9. Although one concentration of selenium and one concentration of zinc exceeded their respective typical background concentration ranges, they did not exceed their respective ESLs. No other metals. None of the other metals concentrations exceeded their typical background range or respective commercial/industrial or residential ESLs.

▪ **Auto Storage Area (RB10 through RB12).**

TPH: TPHg and TPHd were not detected in the soil matrix samples collected and analyzed from RB10, RB11 or RB12. TPHo was detected in 3 of the 5 samples analyzed, ranging from 8.7 mg/kg to 2,800 mg/kg, below its commercial /industrial ESL (140,000 mg/kg) and residential ESL of 11,000 mg/kg.

VOCs: Benzene was detected in 3 of the 5 samples collected and analyzed from RB10, RB11 or RB12, ranging from 0.0010 mg/kg to 0.0038 mg/kg. Toluene was detected in 2 of the 5 samples collected and analyzed from RB10, RB11 or RB12, ranging from 0.0017 mg/kg to 0.0028 mg/kg. Both constituents were detected below their respective ESLs.

Metals: Metals were detected in all of the soil samples collected and analyzed from RB10 through RB12. Although one concentration of selenium and one concentration of thallium exceeded their respective typical background concentration ranges, they did not exceed their respective ESLs. None of the other metals concentrations exceeded their typical background range or respective commercial/industrial or residential ESLs.

▪ **Soil Stockpiles (SP1, SP2 and SP3).**

TPH: TPHg was not detected in any of the three soil samples collected and analyzed from the onsite soil piles (SP1, SP2 and SP3). TPHd was detected in one of the soil pile samples (SP2) and TPHo was detected in all three soil pile samples; however, the concentrations detected were below the ESLs for both constituents.

VOCs: VOCs were not detected in the soil samples collected and analyzed from the onsite soil piles



PCBs: With the exception of PCB-1260, which was detected at a concentration of 0.0060 mg/kg, no other PCBs were detected in the soil samples collected and analyzed from the onsite soil piles. PCBs were not detected above the commercial/industrial ESL of 1.0 mg/kg or residential ESL of 0.25 mg/kg.

Pesticides: Varying concentrations of DDD, DDE, DDT and dieldrin were detected in the soil samples collected and analyzed from the onsite soil piles. However, none of the concentrations detected exceeded their respective ESLs.

Metals: Metals were detected in all of the soil samples collected and analyzed from the onsite soil piles. Although one concentration of selenium exceeded its typical background concentration range of 0.015 mg/kg to 0.430 mg/kg, it did not exceed its respective ESL of 390 mg/kg. None of the other metals concentrations exceeded their typical background range or respective commercial/industrial or residential ESLs.

## 7 Soil Vapor Sampling Results

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On August 31, 2017, Optimal Technology, under the supervision of Rincon, advanced 12 soil borings throughout the project site (SV1 through SV12). One soil vapor sample was collected from each boring at 5 feet bgs, with a duplicate sample collected at SV12, for a total of 13 soil vapor samples. The soil vapor samples were analyzed for VOCs and methane using an onsite mobile laboratory. Results of the soil vapor analysis are shown in Table 5. A copy of the soil vapor analytical report is included in Appendix C.

VOCs: According to the laboratory analytical results, trichloroethylene (TCE) was detected in the soil vapor samples collected from SV2 and SV3, at concentrations of 1.09 µg/L and 0.18 µg/L. One concentration detected was above the residential ESL of 0.24 µg/L, but below the commercial/industrial ESL of 3.0 µg/L. No other VOCs were detected in SV2 and SV3. SV2 and SV3 were located inside the auto repair buildings, adjacent to the parts washers. Based on the proposed commercial/ industrial use of the site and the fact that the detected concentrations of TCE do not exceed the commercial/industrial ESL for TCE in soil vapor, no further assessment for TCE in soil vapor is recommended. .

VOCs were not detected in any of the other soil vapor samples analyzed.

Methane: Methane was detected in the soil vapor samples collected from SV1, SV9 and SV10, at concentrations of 162.35 µg/L (247.47 parts per million by volume [ppmv]), 5.45 µg/L (8.31 ppmv), and 6.89 µg/L (10.5 ppmv), respectively. Methane was not detected in any of the other soil vapor samples collected from the project site. According to the Department of Toxic Substances Control (DTSC) Advisory on Methane Assessment and Common Remedies at School Sites dated June 16, 2005 a methane detection of 1,000 ppmv is considered a cautionary value at which a further methane investigation would be recommended. The detected concentrations of methane do not exceed the cautionary value determined by the DTSC.





## 8 Conclusions & Recommendations

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None of the concentrations of constituents detected in the soil or soil vapor samples exceeded their respective commercial / industrial ESLs.

Methane was detected in three of the soil vapor samples analyzed, ranging from 5.45 µg/L to 162.35 µg/L (8.31 ppmv to 247.47 ppmv). According to the 2005 DTSC Advisory, a methane detection of 1,000 ppmv is considered a cautionary value at which a further methane investigation would be recommended. However, the detected concentrations of methane do not exceed 1,000 ppmv.

Based on the proposed commercial/ industrial use of the site and the fact that the detected concentrations of constituents do not exceed the commercial/industrial screening levels, no further assessment is recommended.

However, based on the previous assessments that were conducted at the project site in 1993 through 2004, hydrocarbon and lead-impacted soil were previously identified at numerous locations at 1512-1520 W Lincoln Avenue. The majority of the impacted soil was identified in the southern portion of the property at 1514 and 1516 W Lincoln Avenue to 10 feet below ground surface. Based on the findings of the previous assessments and the results of the current assessment, we recommend that a soil management plan be prepared that addresses issues associated with the impacted soils that will be encountered during future site excavation/ grading activities. Impacted soils will require special handling and should be removed in accordance with local environmental health regulations and requirements.

## 9 Limitations

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This report has been prepared for and is intended for the exclusive use of STV and OCTA. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

This scope was not intended to completely establish the quantities and distribution of contaminants present at the project site or to determine the cost to remediate the project site. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations. Further, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions and other events. Conclusions regarding the condition of the project site do not represent a warranty that all areas within the project site are similar to those sampled



## 10 References

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The following published reference materials were used in preparation of this Phase II ESA:

### **Geology**

*Soil Contamination Assessment and Remediation Report, Import Auto Supply Facility, 101 N Manchester, Anaheim, California* prepared by Genesis Environmental Corporation and dated November 28, 1994

### **Groundwater**

*Report of Phase I Environmental Site Assessment, OCTA Excess Land Property, 1510-1520 West Lincoln Avenue, Anaheim, California* prepared by AMEC Environment & Infrastructure, Inc. (AMEC) and dated February 22, 2012

### **Previous Assessments**

*Phase I and II Environmental Site Assessment Report, Assessor Parcel Numbers 250-122-03, 250-122-04, 250-122-05, 250-122-06, 250-122-07, 250-111-01, and 250-111-02, City of Anaheim, Orange County, California* prepared by Leighton Consulting, Inc. and dated December 31, 2004

*Report of Phase I Environmental Site Assessment, OCTA Excess Land Property, 1510-1520 West Lincoln Avenue, Anaheim, California* prepared by AMEC Environment & Infrastructure, Inc. (AMEC) and dated February 22, 2012

*Phase I ESA, OCTA-TSOC, Lincoln Avenue Site, Anaheim, California* prepared by Rincon Consultants and dated January 10, 2018

### **Screening Levels**

Department of Toxic Substances Control, *Advisory on Methane Assessment and Common Remedies at School Sites*, June 16, 2005

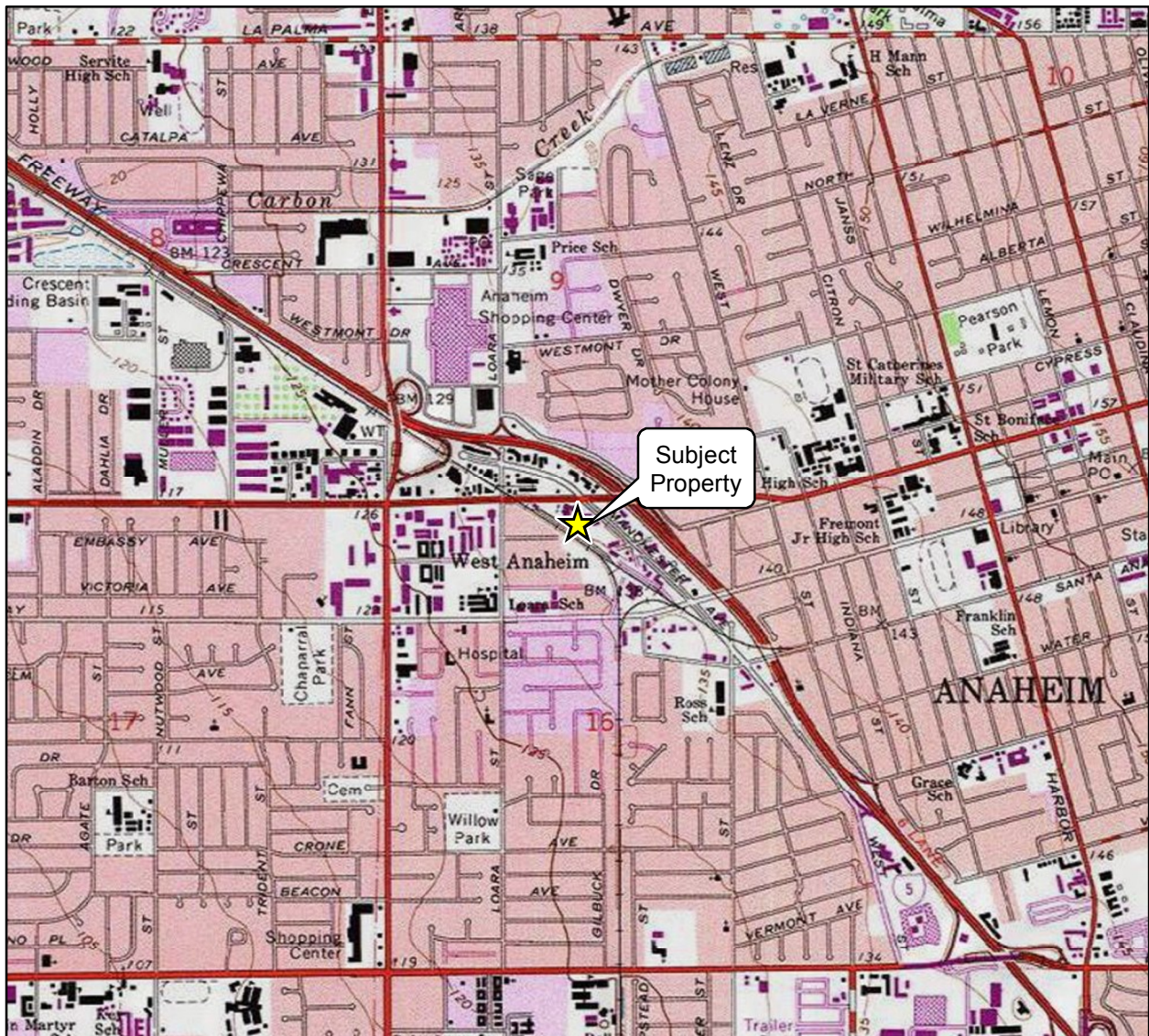
Kearney, *Background Concentrations of Trace and Major Elements in California Soils*, University of California, 1996

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) *Environmental Screening Levels* (revised February 2016)

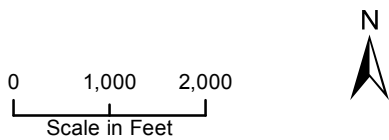
### **Topography**

USGS topographic map (Anaheim Quadrangle, 2012)





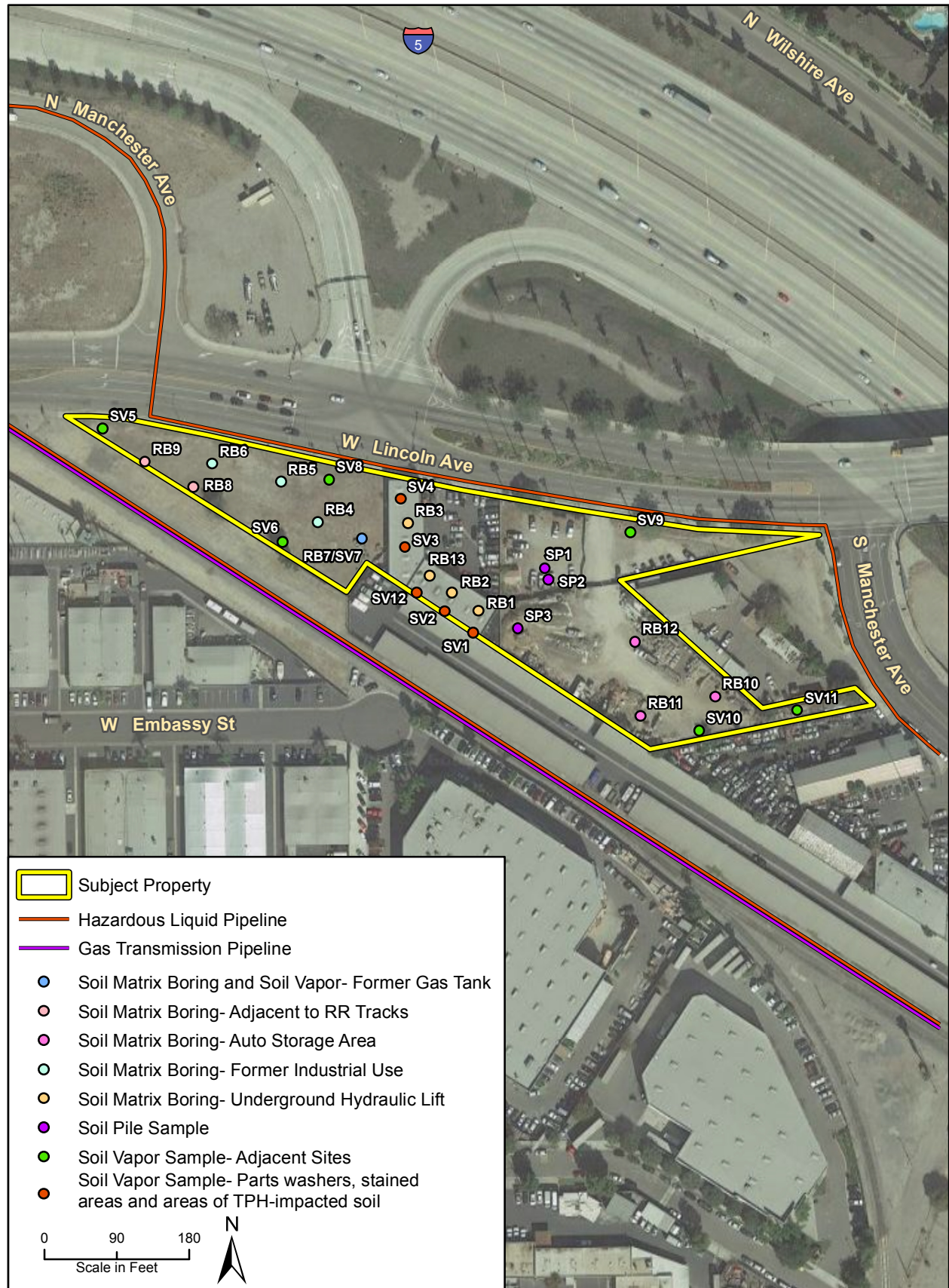
Imagery provided by National Geographic Society, ESRI and its licensors © 2017. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.



Vicinity Map

Figure 1





Imagery provided by Google and its licensors © 2017.

Soil Boring and Sample Location Map

Figure 2

**Table 1 - Soil Matrix Analytical Summary - TPH  
OCTA-TSOC, Lincoln Avenue Site  
Anaheim, California  
Samples Collected on August 31, 2017**

Soil Boring	Sample Depth (feet bgs)	TPH - Gasoline (mg/kg)	TPH - Diesel (mg/kg)	TPH - Motor Oil (mg/kg)
<b>Hydraulic Lifts</b>				
RB1	2	ND	ND	12
	5	ND	ND	20
	10	ND	ND	19
RB2	2	ND	ND	720
	5	ND	ND	2,000
	10	ND	ND	11
RB3	2	ND	ND	17
	5	ND	ND	ND
	10	ND	ND	15
RB13	2	ND	ND	2,100
	5	ND	ND	13
	10	ND	ND	8.1J
<b>Former Industrial Use</b>				
RB4	2	ND	ND	70
	5	--	--	--
	10	--	--	--
RB5	2	ND	ND	250
	5	--	--	--
	10	--	--	--
RB6	2	ND	ND	880
	5	--	--	--
	10	--	--	--
<b>Former Gasoline Tank</b>				
RB7	2	ND	ND	27
	5	ND	ND	520
	10	ND	ND	9.7
	15	ND	2.9	11
<b>Railroad Tracks</b>				
RB8	1	ND	ND	72
	3	ND	ND	870
RB9	1	ND	ND	160
	3	ND	ND	28
<b>Auto Storage Area</b>				
RB10	2	ND	ND	65
	5	ND	ND	ND
RB11	2	ND	ND	ND
	5	ND	ND	8.7J

**Table 1 - Soil Matrix Analytical Summary - TPH  
OCTA-TSOC, Lincoln Avenue Site  
Anaheim, California  
Samples Collected on August 31, 2017**

Soil Boring	Sample Depth (feet bgs)	TPH - Gasoline (mg/kg)	TPH - Diesel (mg/kg)	TPH - Motor Oil (mg/kg)
RB12	2	ND	ND	<b>2,800</b>
	5	--	--	--
<b>Soil Stockpiles</b>				
SP1	--	ND	ND	<b>30</b>
SP2	--	ND	<b>15</b>	<b>43</b>
SP3	--	ND	ND	<b>370</b>
<b>ESL Value (Residential)</b>		740	230	11,000
<b>ESL Value (Commercial/Industrial)</b>		3,900	1,100	140,000

TPH = Total Petroleum Hydrocarbons

bgs = below ground surface

ND = not detected above the method detection limit

**Bold** = detected above the method detection limit

-- = not analyzed

J flag = Estimated Value

ESL Value = San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (revised February 2016); Summary of Soil ESLs table for human health direct exposures

Soil samples analyzed using LUFT-GC/MS method (TPH - Gasoline) and EPA Method 8260B/5035 (TPH - Diesel and TPH - Motor Oil) by BC Laboratories, Inc.

TPH - Gasoline recorded as Total Purgeable Petroleum Hydrocarbons by BC Laboratories, Inc. See laboratory report for details.

**Table 2 - Soil Matrix Analytical Summary - VOCs & PCBs**  
**OCTA-TSOC, Lincoln Avenue Site**  
**Anaheim, California**  
**Samples Collected on August 31, 2017**

Soil Boring	Sampling Depth (feet bgs)	PCE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Other VOCs (mg/kg)	PCB-1016 (mg/kg)	PCB-1260 (mg/kg)	Other PCBs
<b>Hydraulic Lifts</b>								
RB1	2	0.0017	ND	ND	ND	0.026	0.019	ND
	5	ND	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND
RB2	2	--	--	--	--	ND	ND	ND
	5	--	--	--	--	ND	ND	ND
	10	--	--	--	--	ND	ND	ND
RB3	2	--	--	--	--	ND	ND	ND
	5	--	--	--	--	ND	ND	ND
	10	--	--	--	--	ND	ND	ND
RB13	2	--	--	--	--	ND	0.026	ND
	5	--	--	--	--	ND	ND	ND
	10	--	--	--	--	ND	ND	ND
<b>Former Industrial Use</b>								
RB4	2	ND	ND	ND	ND	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
RB5	2	ND	ND	ND	ND	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
RB6	2	ND	ND	ND	ND	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
<b>Railroad Tracks</b>								
RB8- Railroad Tracks	1	--	--	--	--	--	--	--
	3	--	--	--	--	--	--	--
RB9 - Railroad Tracks	1	--	--	--	--	--	--	--
	3	--	--	--	--	--	--	--

**Table 2 - Soil Matrix Analytical Summary - VOCs & PCBs**  
**OCTA-TSOC, Lincoln Avenue Site**  
**Anaheim, California**  
**Samples Collected on August 31, 2017**

Soil Boring	Sampling Depth (feet bgs)	PCE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Other VOCs (mg/kg)	PCB-1016 (mg/kg)	PCB-1260 (mg/kg)	Other PCBs
<b>Former Gasoline Tank</b>								
RB7	2	ND	<b>0.0020J</b>	<b>0.0013J</b>	ND	--	--	--
	5	ND	<b>0.0016J</b>	ND	ND	--	--	--
	10	ND	<b>0.0016J</b>	ND	ND	--	--	--
	15	ND	ND	ND	ND	--	--	--
<b>Auto Storage Area</b>								
RB10	2	ND	ND	ND	ND	--	--	--
	5	ND	<b>0.0010J</b>	ND	ND	--	--	--
RB11	2	ND	ND	ND	ND	--	--	--
	5	ND	<b>0.0035J</b>	<b>0.0017J</b>	ND	--	--	--
RB12	2	ND	<b>0.0038J</b>	<b>0.0028J</b>	ND	--	--	--
	5	--	--	--	--	--	--	--
<b>Soil Stockpiles</b>								
SP1	--	ND	ND	ND	ND	ND	ND	ND
SP2	--	ND	ND	ND	ND	ND	ND	ND
SP3	--	ND	ND	ND	ND	ND	<b>0.0060J</b>	ND
<b>ESL Value (Residential)</b>		0.6	0.23	970	Various	0.25	0.25	Various
<b>ESL Value (Commercial/Industrial)</b>		2.7	1.0	4,600	Various	1.0	1.0	Various

VOCs = volatile organic compounds

PCBs = polychlorinated biphenyls

PCE = tetrachloroethylene

bgs = below ground surface

mg/kg = milligrams per kilogram

ND = not detected about method detection limits

-- = not analyzed

**Bold** = detected above the method detection limit

J flag = Estimated Value

ESL Value = San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (revised February 2016);

Summary of Soil ESLs table for human health direct exposures

Soil samples analyzed for VOCs using EPA Method 8260B/5035 and for PCBs by EPA Method 8082 by BC Laboratories, Inc. See laboratory report for details and complete listing of analytes.



**Table 3 - Soil Matrix Analytical Summary - Herbicides & OCPs**  
**OCTA-TSOC, Lincoln Avenue Site**  
**Anaheim, California**  
**Samples Collected on August 31, 2017**

Soil Boring	Sampling Depth (feet bgs)	Herbicides (mg/kg)	Chlordane (mg/kg)	4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Dieldrin (mg/kg)	Other OCPs (mg/kg)
<b>Hydraulic Lifts</b>								
RB1	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
RB2	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
RB3	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
<b>Former Industrial Use</b>								
RB4	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
RB5	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
RB6	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
<b>Railroad Tracks</b>								
RB8	1	ND	--	--	--	--	--	--
	3	ND	--	--	--	--	--	--
RB9	1	ND	--	--	--	--	--	--
	3	ND	--	--	--	--	--	--
<b>Former Gasoline Tank</b>								
RB7	2	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--
	15	--	--	--	--	--	--	--

**Table 3 - Soil Matrix Analytical Summary - Herbicides & OCPs**  
**OCTA-TSOC, Lincoln Avenue Site**  
**Anaheim, California**  
**Samples Collected on August 31, 2017**

Soil Boring	Sampling Depth (feet bgs)	Herbicides (mg/kg)	Chlordane (mg/kg)	4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Dieldrin (mg/kg)	Other OCPs (mg/kg)
<b>Auto Storage Area</b>								
RB10	2	--	ND	ND	<b>0.0036J</b>	<b>0.0057</b>	ND	ND
	5	--	ND	ND	ND	ND	ND	ND
RB11	2	--	ND	ND	<b>0.000071J</b>	ND	ND	ND
	5	--	ND	ND	<b>0.00028J</b>	<b>0.00031J</b>	ND	ND
RB12	2	--	<b>0.028J</b>	ND	<b>0.0037J</b>	<b>0.0024J</b>	<b>0.0018J</b>	ND
	5	--	--	--	--	--	--	--
<b>Soil Stockpiles</b>								
SP1	SP	--	ND	<b>0.00074</b>	<b>0.0025</b>	ND	<b>0.012</b>	ND
SP2	SP	--	ND	ND	<b>0.0021</b>	ND	ND	ND
SP3	SP	--	ND	ND	<b>0.0011J</b>	<b>0.0013J</b>	<b>0.00055J</b>	ND
<b>ESL Value (Residential)</b>		<i>NE</i>	<i>0.48</i>	<i>2.7</i>	<i>1.9</i>	<i>1.9</i>	<i>0.038</i>	<i>Varies</i>
<b>ESL Value (Commercial/Industrial)</b>		<i>NE</i>	<i>2.2</i>	<i>12</i>	<i>8.5</i>	<i>8.5</i>	<i>0.17</i>	<i>Varies</i>

bgs = below ground surface

mg/kg = milligrams per kilogram

-- = not analyzed

ND = not detected above the method detection limit

**Bold** = detected above the method detection limit

J flag = Estimated Value

ESL Value = San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (revised February 2016);

Summary of Soil ESLs table for human health direct exposures

NE = not established

Soil samples analyzed for pesticides/herbicides using EPA Method 8260B/5035 by BC Laboratories, Inc. See laboratory report for details and complete listing of analytes.

**Table 4 - Soil Matrix Analytical Summary - Title 22 Metals**  
**OCTA-TSOC, Lincoln Avenue Site**  
**Anaheim, California**  
**Samples Collected on August 31, 2017**

Soil Boring	Sample Depth (feet bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
		<i>Results in milligrams per kilogram (mg/kg)</i>																	
<b>Hydraulic Lifts</b>																			
RB1	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB3	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB13	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Former Industrial Use</b>																			
RB4	2	ND	1.9	97	0.24J	0.30J	12	3.6	7.2	8.6	0.024J	0.82	7.8	1.9	ND	ND	21	36	
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB5	2	ND	3.0	70	0.27J	0.25J	13	3.8	9.5	11	ND	0.51J	9.1	2.3	ND	0.78J	26	36	
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB6	2	ND	3.4	60	0.27J	0.25J	17	4.3	13	18	0.028J	0.94J	11	ND	ND	ND	27	45	
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Former Gasoline Tank</b>																			
RB7	2	ND	2.3	76	0.34J	0.35J	16	5.4	12	7.3	0.042J	1.0J	12	1.2	ND	ND	32	45	
	5	ND	3.5	79	0.38J	0.69	16	5.6	33	61	0.083J	0.48J	14	ND	ND	0.68	28	340	
	10	ND	3.3	91	0.45J	0.33J	19	6.4	15	5.0	0.052J	1.6J	14	ND	ND	1.5	40	47	
	15	ND	1.0	49	0.22J	0.39J	12	3.5	7.6	2.4J	0.029J	1.6J	10	1.5	ND	ND	25	30	

**Table 4 - Soil Matrix Analytical Summary - Title 22 Metals**  
**OCTA-TSOC, Lincoln Avenue Site**  
**Anaheim, California**  
**Samples Collected on August 31, 2017**

Soil Boring	Sample Depth (feet bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
		Results in milligrams per kilogram (mg/kg)																	
<b>Railroad Tracks</b>																			
RB8	1	ND	5.8	1,100	0.35J	0.38J	14	3.6	15	31	0.083J	0.58J	10	ND	ND	ND	27	410	
	3	ND	2.2	110	0.20J	0.29J	16	4.8	12	9.7	0.035J	1.1J	11	1.9	ND	ND	25	46	
RB9	1	ND	2.5	67	0.32J	0.11J	8.4	3.2	7.5	6.5	ND	0.10J	5.9	ND	ND	ND	18	31	
	3	ND	2.7	43	0.25J	0.13J	9.6	3.3	7.5	9.4	0.045J	0.16J	7.0	ND	ND	ND	21	26	
<b>Auto Storage Area</b>																			
RB10	2	ND	2.9	77	0.39J	0.55	16	5.6	16	24	0.050J	0.26J	12	ND	ND	ND	32	62	
	5	ND	1.9	87	0.42J	0.19J	18	6.2	13	4.5	0.035J	0.64J	12	ND	ND	0.93J	35	46	
RB11	2	ND	2.6	83	0.46J	0.38J	19	6.5	18	16	0.051J	0.087J	13	ND	ND	0.85J	36	64	
	5	ND	2.5	98	0.51	0.22J	19	6.7	16	5.9	0.036J	0.54J	13	ND	ND	1.2	40	51	
RB12	2	ND	4.0	54	0.26J	0.30J	16	3.7	19	18	0.040J	0.93J	9.2	1	ND	ND	26	57	
	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Soil Stockpiles</b>																			
SP1	--	ND	2.5	47	0.36J	0.22J	9.6	4.1	9.9	5.5	0.045	0.58	7.3	ND	ND	ND	25	36	
SP2	--	ND	3.3	58	0.42J	0.31J	8.3	4.6	12	6.6	0.047J	0.78J	8.0	2.1	ND	ND	26	35	
SP3	--	ND	2.2	56	.025J	0.10J	11	3.7	8.2	7.3	0.045J	0.093J	6.6	ND	ND	ND	22	32	
<b>Background Concentration</b>		0.15 - 1.95	0.6 - 11	133 - 1,400	0.25 - 2.70	0.05 - 1.70	23 - 1,579	2.7 - 46.9	9.1 - 96.4	12.4 - 97.1	0.05 - 0.90	0.1 - 9.6	9.0 - 509	0.015 - 0.430	0.10 - 8.3	0.17 - 1.1	39 - 288	88 - 236	
<b>ESL Value (Residential)</b>		31	0.067	15,000	150	39	NE	23	3,100	80	13	390	820	390	390	0.78	390	23,000	
<b>ESL Value (Commercial/Industrial)</b>		470	0.31	220,000	2,200	580	NE	350	47,000	320	190	5,800	11,000	5,800	5,800	12	5,800	350,000	

ND = not detected above the method detection limit

**Bold** = detected above the method detection limit

J flag = Estimated Value

-- = not analyzed

NE = not established

Background Concentration = Kearney, *Background Concentrations of Trace and Major Elements in California Soils*, University of California, 1996

ESL Value = San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (revised February 2016); Summary of Soil ESLs table for human health direct exposures

Soil samples analyzed for Title 22 Metals by EPA Methods 6010B and 7471A by BC Laboratories, Inc. See laboratory report for details.

**Table 5 - Soil Vapor Analytical Summary - VOCs and Methane  
OCTA-TSOC, Lincoln Avenue Site  
Anaheim, California  
Samples Collected on August 31, 2017**

Soil Boring	Sample Depth in Feet	PCE (µg/L)	TCE (µg/L)	Other VOCS (µg/L)	Methane (µg/L)	Methane (ppmv)
<b>Parts washers, stained areas and areas of TPH-impacted soil:</b>						
SV1	5	ND	ND	ND	<b>162.35</b>	<b>247.47</b>
SV2	5	ND	<b>1.09</b>	ND	ND	ND
SV3	5	ND	<b>0.18</b>	ND	ND	ND
SV4	5	ND	ND	ND	ND	ND
SV12	5	ND	ND	ND	ND	ND
SV12 (Duplicate)	5	ND	ND	ND	ND	ND
<b>Adjacent Gas Stations and pipelines:</b>						
SV5	5	ND	ND	ND	ND	ND
SV6	5	ND	ND	ND	ND	ND
SV8	5	ND	ND	ND	ND	ND
SV9	5	ND	ND	ND	<b>5.45</b>	<b>8.31</b>
SV10	5	ND	ND	ND	<b>6.89</b>	<b>10.5</b>
SV11	5	ND	ND	ND	ND	ND
<b>Former Gas Tank</b>						
SV7	5	ND	ND	ND	ND	ND
<b>ESL Value (Residential)</b>		0.60	0.24	Various	NE	NE
<b>ESL Value (Commercial/Industrial)</b>		0.60	3.0	Various	NE	NE
<b>DTSC Methane Advisory 2005</b>		NA	NA	NA	NA	1,000

µg/l- micrograms per liter

ppmv = parts per million by volume

PCE = Tetrachloroethene

TCE = Trichloroethene

VOCS = Volatile organic compounds

ND = analyte not detected above the method detection limit

**Bold** = analyte detected above the method detection limit

NA = Not applicable

NE = Not established

ESL Value = San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (revised February 2016);

Summary of Soil Gas ESLs table for human health direct exposures

DTSC Methane Advisory 2005-- Department of Toxic Substances Control Advisory on Methane Assessment and Common Remedies at School Sites, dated June 16, 2005.

Soil vapor samples analyzed by Optimal Technologies

For a complete list of VOCs tested, see laboratory analytical reports

# Appendix A

---

Soil Boring Logs

## LOG OF BORING RB1

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318


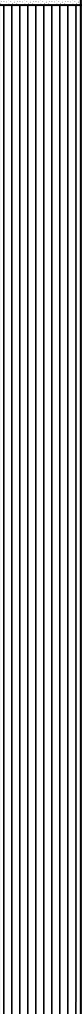

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Inside former Sinox

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SM			
2				SILTY SAND, dark brown, dry, soft, non-plastic, fine grained.	0.4
3					
4					
5				CLAYEY SILT, dark brown, dry, soft, plastic, very fine grained.	0.2
6		MH			
7					
8					
9					
10				Brown.	0.2

# LOG OF BORING RB2

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Inside California Japanese Auto Service

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SP		GRAVELLY SAND, dark brown, dry, loose, non-plastic, gravel to fine grained.	0.4
2					
3					
4					
5					
6		MH		CLAYEY SILT, brown, dry, soft, plastic, very fine grained.	0.2
7					
8					
9					
10		SP		SAND, brown, dry, soft, non-plastic, fine grained.	0.2



## LOG OF BORING RB3

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Inside Hidalgo Auto Services

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SC		CLAYEY SAND, brown, dry, soft, plastic, fine to very fine grained.	0.6
2					
3					
4				CLAYEY SILT, dark brown, dry, soft, plastic, very fine grained.	
5					0.8
6		MH			
7					
8					
9				Brown.	
10					0.7

## LOG OF BORING RB4

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Western portion of the property, undeveloped.

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1					
2				SILTY SAND, brown, dry, loose, soft, non-plastic, fine grained.	0.1
3					
4					
5		SM		SAND.	0.0
6					
7					
8					
9					
10					3.3

## LOG OF BORING RB5

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Western portion of site, undeveloped.

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SW		GRAVELLY SAND, light brown, dry, loose, non-plastic, gravel to fine grained.	0.2
2					
3		SM		SILTY SAND, brown, dry, soft, non-plastic, fine grained.	0.1
4					
5		SP		SAND, brown, dry, soft, non-plastic, fine grained.	0.2
6					
7				Refusal.	0.2
8					
9					

## LOG OF BORING RB6


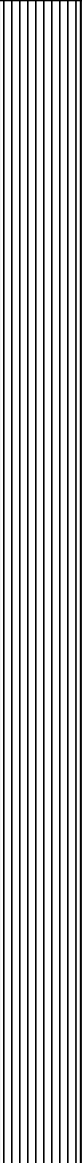
OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Western portion of site, undeveloped.

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1					
2				GRAVELLY SAND, light brown, dry, loose, non-plastic, gravel to fine grained.	0.5
3		SW			
4					
5				Refusal.	0.2

# LOG OF BORING RB7

OCTA-TSOC, Lincoln Avenue Site Lincoln Avenue and S Manchester Avenue Anaheim, California Project # 16-03318	Date Completed : August 31, 2017 Method : Geoprobe Drilled By : Choice Drilling Logged By : Devin DiNapoli Location : Western portion of site, former tank
---	--

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SM		SILTY SAND, brown, dry, loose, non-plastic, fine grained.	0.2
2					
3					
4					
5				CLAYEY SILT, brown, dry, soft, plastic, very fine grained.	0.2
6					
7					
8					
9		MH			
10					0.1
11					
12					
13					
14					
15					0.1

## LOG OF BORING RB8

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Western portion of site, undeveloped

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1					0.0
2		SP		GRAVELLY SAND, brown, dry, loose, non-plastic, gravel to fine grained.	
3					0.0

## LOG OF BORING RB9

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318


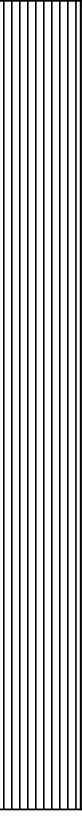
Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Western portion of site, undeveloped

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1					0.0
2		SP		GRAVELLY SAND, brown, dry, loose, non-plastic, gravel to fine grained.	
3					0.1

# LOG OF BORING RB10

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Inside California Japanese Auto Service






Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0 1 2 3 4 5	SP	SP		GRAVELLY SAND, brown, dry, loose, non-plastic, gravel to fine grained.	0.2
		MH		CLAYEY SILT, brown, dry, soft, plastic, very fine grained.	0.1



# LOG OF BORING RB11

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Eastern portion of site, storage area

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SP		GRAVELLY SAND, brown, dry, loose, non-plastic, gravel to fine grained.	0.2
2					
3					
4		MH		CLAYEY SILT, brown, dry, soft, plastic, very fine grained.	
5					0.0

## LOG OF BORING RB12


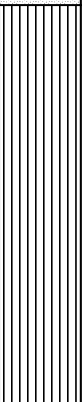

OCTA-TSOC, Lincoln Avenue Site Lincoln Avenue and S Manchester Avenue Anaheim, California Project # 16-03318	Date Completed : August 31, 2017 Method : Geoprobe Drilled By : Choice Drilling Logged By : Devin DiNapoli Location : Eastern portion of site, storage area
---	---

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SP		GRAVELLY SAND, brown, dry, loose, non-plastic, gravel to fine grained.	
2				Refusal.	0.1

## LOG OF BORING RB13

OCTA-TSOC, Lincoln Avenue Site  
 Lincoln Avenue and S Manchester Avenue  
 Anaheim, California  
 Project # 16-03318

Date Completed : August 31, 2017  
 Method : Geoprobe  
 Drilled By : Choice Drilling  
 Logged By : Devin DiNapoli  
 Location : Inside California Japanese Auto Service

Depth in Feet	Samples	USCS	GRAPHIC	DESCRIPTION	PID (ppmv)
0					
1		SP		GRAVELLY SAND, dark brown, dry, loose, non-plastic, gravel to fine grained.	1.9
2			<hr style="border-top: 1px dashed black;"/>		
3					
4				CLAYEY SILT, brown, dry, soft, plastic, very fine grained.	0.9
5		MH			
6					
7					
8					
9					
10		SP		SAND, brown, dry, soft, non-plastic, fine grained.	0.1

# Appendix B

---

Soil Matrix Laboratory Report



Date of Report: 09/12/2017

Matt Pendleton

Rincon Consultants

180 North Ashwood Avenue  
Ventura, CA 93003

Client Project: 16-03318 OCTA

BCL Project: Soil Samples

BCL Work Order: 1724616

Invoice ID: B278851

Enclosed are the results of analyses for samples received by the laboratory on 9/1/2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Kerrie Vaughan  
Client Services

Stuart Buttram  
Technical Director

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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<b>1724616-02 - RB1-5</b>	
PCB Analysis (EPA Method 8082).....	23
Volatile Organic Analysis (EPA Method 8260B/5035).....	24
Total Petroleum Hydrocarbons.....	27
<b>1724616-03 - RB1-10</b>	
PCB Analysis (EPA Method 8082).....	28
Volatile Organic Analysis (EPA Method 8260B/5035).....	29
Total Petroleum Hydrocarbons.....	32
<b>1724616-04 - RB2-2</b>	
PCB Analysis (EPA Method 8082).....	33
Total Petroleum Hydrocarbons.....	34
<b>1724616-05 - RB2-5</b>	
PCB Analysis (EPA Method 8082).....	35
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Total Petroleum Hydrocarbons.....	53
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Total Petroleum Hydrocarbons.....	58
Total Concentrations (TTLIC).....	59
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Volatile Organic Analysis (EPA Method 8260B/5035).....	60
Total Petroleum Hydrocarbons.....	63
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Total Petroleum Hydrocarbons.....	68
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 Total Petroleum Hydrocarbons..... 78  
 Total Concentrations (TTLC)..... 79

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 Total Petroleum Hydrocarbons..... 81  
 Total Concentrations (TTLC)..... 82

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 Chlorinated Herbicides (EPA Method 8151A)..... 83  
 Total Petroleum Hydrocarbons..... 84  
 Total Concentrations (TTLC)..... 85

**1724616-24 - RB9-1**  
 Chlorinated Herbicides (EPA Method 8151A)..... 86  
 Total Petroleum Hydrocarbons..... 87  
 Total Concentrations (TTLC)..... 88

**1724616-25 - RB9-3**  
 Chlorinated Herbicides (EPA Method 8151A)..... 89  
 Total Petroleum Hydrocarbons..... 90  
 Total Concentrations (TTLC)..... 91

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 Organochlorine Pesticides (EPA Method 8081A)..... 92  
 Volatile Organic Analysis (EPA Method 8260B/5035)..... 93  
 Total Petroleum Hydrocarbons..... 96  
 Total Concentrations (TTLC)..... 97

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 Volatile Organic Analysis (EPA Method 8260B/5035)..... 99  
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 Total Concentrations (TTLC)..... 103

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 Volatile Organic Analysis (EPA Method 8260B/5035)..... 105  
 Total Petroleum Hydrocarbons..... 108  
 Total Concentrations (TTLC)..... 109

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 Volatile Organic Analysis (EPA Method 8260B/5035)..... 111  
 Total Petroleum Hydrocarbons..... 114  
 Total Concentrations (TTLC)..... 115

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 Volatile Organic Analysis (EPA Method 8260B/5035)..... 117  
 Total Petroleum Hydrocarbons..... 120  
 Total Concentrations (TTLC)..... 121

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 Total Petroleum Hydrocarbons..... 123

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PCB Analysis (EPA Method 8082).....	129
Volatile Organic Analysis (EPA Method 8260B/5035).....	130
Total Petroleum Hydrocarbons.....	133
Total Concentrations (TTLC).....	134
<b>1724616-35 - SP2</b>	
Organochlorine Pesticides (EPA Method 8081A).....	135
PCB Analysis (EPA Method 8082).....	136
Volatile Organic Analysis (EPA Method 8260B/5035).....	137
Total Petroleum Hydrocarbons.....	140
Total Concentrations (TTLC).....	141
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Laboratories, Inc.

Chain of Custody Form

RUSH!

Report To: Rincon Consultants  
 Client: Rincon Consultants  
 Attn: Matt Penleton  
 Street Address: 250 E 1st Street  
 City, State, Zip: Los Angeles 90012  
 Phone: 213-788-1842  
 Email Address: m.penleton@rinciconsultants.com  
 Work Order #: 17-24616

Project #: 16-08818  
 Project Name: OCTA  
 Sampler(s): 10. Dinapoli  
 O. Cheyne  
 rinconconsultants.com

Analysis Requested:  
metals (lead, copper, iron, zinc, cadmium, chromium, nickel, manganese, selenium, vanadium, cobalt, nickel)  
TPH  
PCBs  
NCS  
to the back of the  
for comparison  
files and/or  
regard

Sample #	Description	Date Sampled	Time Sampled	Global ID (Needed for EDF)	EDF Required? Geotracker	1. Acquired By	Date	Time	1. Received By	Date	Time
-1	RB1-2	8/31/17	9:45		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	8/31/17	10:55	<u>[Signature]</u>	8/31/17	10:55
-2	RB1-5		9:50		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	8/31/17	4:15	<u>[Signature]</u>	9/11/17	9:40
-3	RB1-10		9:56		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	8/31/17	4:15	<u>[Signature]</u>	9/11/17	9:40
-4	RB2-2		8:40		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-5	RB2-5		8:45		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-6	RB2-10		8:50		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-7	RB3-2		9:20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-8	RB3-5		9:25		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-9	RB3-10		9:30		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-10	RB4-2		11:45		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-11	RB4-5		11:50		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-12	RB4-10		11:55		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-13	RB5-2		12:20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00
-14	RB5-5		12:35		<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>[Signature]</u>	9/11/17	4:45	<u>[Signature]</u>	9/11/17	11:00

Sample Matrix:  Soil  Sludge  Drinking Water  Ground Water  Waste Water

Other:

Turnaround # of work days:  Yes  No

\* Standard Turnaround = 10 work days

Notes: hold 5036

Comments: Standard TAT

Page 1 of 3

Billing:  Same as above

Client: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

EDF Required?  Yes  No  
 Send Copy to State of CA? (EDT)  Yes  No

1. Requisitioned By: [Signature] Date: 8/31/17 Time: 10:55  
 2. Requisitioned By: [Signature] Date: 9/11/17 Time: 4:15  
 3. Requisitioned By: [Signature] Date: 9/11/17 Time: 4:45

1. Received By: [Signature] Date: 8/31/17 Time: 10:55  
 2. Received By: [Signature] Date: 9/11/17 Time: 9:40  
 3. Received By: [Signature] Date: 9/11/17 Time: 11:00

System # (Needed for EDF): \_\_\_\_\_

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1948 - www.bclabs.com

9-1-17 1840 Garjet fam 9-1-17 1840

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# Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Chain of Custody and Cooler Receipt Form for 1724616 Page 2 of 7



## Chain of Custody Form

Report To: Kimcon Consultants Project #: 16-03318  
 Client: Matt Pendleton Project Name: ACTA  
 Affn: Matt Pendleton  
 Street Address: 250 3rd Street  
 City, State, Zip: LA, 90012  
 Phone: 213-788-1842 Fax: 213-788-1842  
 Email Address: mpendleton@kimconconsultants.com  
 Work Order #: 17-24616

Analysis Requested

VOCs  
 PCBs  
 TPH  
 Metals  
 Herbicides  
 Pesticides  
 BTEX  
 Solvents  
 Oil & Grease  
 Lead  
 Cadmium  
 Arsenic  
 Mercury  
 Nickel  
 Copper  
 Zinc  
 Manganese  
 Iron  
 Chromium  
 Selenium  
 Vanadium  
 Molybdenum  
 Cobalt  
 Niobium  
 Tellurium  
 Bismuth  
 Antimony  
 Thallium  
 Lead  
 Uranium  
 Plutonium  
 Strontium  
 Barium  
 Radium  
 Polonium  
 Astatine  
 Francium  
 Actinium  
 Protactinium  
 Thorium  
 Radium  
 Francium  
 Actinium

Sample #	Description	Date Sampled	Time Sampled
-15	RB5-10	9/17	1240
-16	RB6-2		1300
-17	RB6-5		1305
-18	<del>RB6-10</del>		
-19	RB7-2		1100
-20	RB7-5		1105
-21	RB7-10		1110
-22	RB7-15		1115
-23	RB8-1		1412
-24	RB8-3		1415
-25	RB9-1		1400
-26	RB9-3		1406
-27	RB10-2		1510
-28	RB10-5		1515

Sample Matrix:  Soil  Sludge  Drinking Water  Ground Water  Waste Water  Other

Are there any tests with holding times less than or equal to 48 hours?  
 Yes  No

\* Standard Turnaround = 10 work days

Turnaround # of work days	Notes
	hold
	hold

Global ID (Needed for EDF)	EDF Required? Geotracker	Send Copy to State of CA? (EDT)	Global ID (Needed for EDF)	EDF Required? Geotracker	Send Copy to State of CA? (EDT)
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

**Client:** Same as above

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Attn:** \_\_\_\_\_

**PO#:** \_\_\_\_\_

**1. Relinquished By:** [Signature] **Date:** 9-17-17 **Time:** 10:55

**2. Relinquished By:** [Signature] **Date:** 9/17 **Time:** 415

**3. Relinquished By:** [Signature] **Date:** 9/17 **Time:** 4

**1. Received By:** [Signature] **Date:** 9/17 **Time:** 10:55

**2. Received By:** [Signature] **Date:** 9/17 **Time:** 4:48

**3. Received By:** [Signature] **Date:** 9-17 **Time:** 11:00

**System # (Needed for EDT):** \_\_\_\_\_

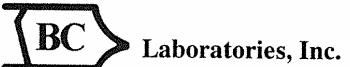
Comments: Standard TAT

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

7-1-17 1640 9-1-17 1840



# Chain of Custody Form



Report To: **Client:** Rincon Consultants  
**Attn:** Matt Pendleton  
**Street Address:** 250 E 1st Street  
**City, State, Zip:** Los Angeles 90012  
**Phone:** 213-788-4842  
**Email Address:** mpendleton@rinconconsultants.com  
**Work Order #:** 17-24616

**Project #:** 16-03318  
**Project Name:** OCTA  
**Sampler(s):** D. DiNapoli  
**p. cheyne**

Analysis Requested						
TPH	PCBS	NOCs	metals	herbicides	pesticides	Other
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	

**Comments:**  
Standard TAT

**Sample Matrix**

Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other
------	--------	----------------	--------------	-------------	-------

Are there any tests with holding times less than or equal to 48 hours?  
 Yes  No

\* Standard Turnaround = 10 work days

**Notes**

Sample #	Description	Date Sampled	Time Sampled
-29	RB11-2	8/31/17	1525
-30	RB11-S		1530
-31	RB12-2		1540
-32	RB13-2		1425
-33	RB13-S		1430
-34	RB13-10		1432
-35	SP1		1300
-36	SP2		1310
-37	SP3		1315
KWK			
4111			

CHK BY: [Signature]

DISTRIBUTION: [Signature]

SUB-OUT:

**Billing**  Same as above

EDF Required? Geotracker  Yes  No

Global ID (Needed for EDF)

System # (Needed for EDT)

Client:	Address:	City:	State:	Zip:
Attn:	PO#:	1. Relinquished By: [Signature] Date: 9-1-17 Time: 1055		
2. Relinquished By: [Signature] Date: 9/1/17 Time: 415				
3. Relinquished By: [Signature] Date: 9/1/17 Time: 440				
		1. Received By: [Signature] Date: 9/1/17 Time: 1055		
		2. Received By: [Signature] Date: 9/1/17 Time: 400		
		3. Received By: [Signature] Date: 9-1-17 Time: 1700		

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

9-1-17 1540 Guyot Sam 9-1-17 1840

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4  
 Submission #: 17-24616

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify) \_\_\_\_\_  
 SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify) \_\_\_\_\_  
 FREE LIQUID: YES  NO  W / (S)

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received: YES  NO  Emissivity: 0.95 Container: VOAS Thermometer ID: 208 Date/Time: 9/1/17 1840  
 Temperature: (A) 8.5 °C / (C) 0.9 °C Analyst Init: RNR

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
10ml EPA 547										
10ml EPA 531.1										
1oz EPA 548										
1T EPA 549										
1T EPA 8015M										
1T EPA 8270										
oz / 16oz / 32oz AMBER										
oz / 16oz / 32oz JAR										
OIL SLEEVE X02	E	E	E	E	E	E	E	E	E	E
CB VIAL										
LASTIC BAG										
EDLAR BAG										
ERROUS IRON										
SCORE										
1ART KIT	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD
MMA CANISTER										

Comments: Description doesn't match for 15  
 Sample Numbering Completed By: [Signature] Date/Time: 9/1/17 2005  
 Actual / C = Corrected Rev 21 05/23/2016



BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 Of 4

Submission #: 17-24616

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify)

SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify)

FREE LIQUID: YES  NO  W / (S)

Refrigerant: Ice  Blue Ice  None  Other  Comments:

Custody Seals: Ice Chest  Containers  None  Comments:

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received: YES  NO  Emissivity: 0.95 Container: VONS Thermometer ID: 208 Date/Time: 9/11/17 1840

Temperature: (A) 8.5 °C / (C) 47.5 °C Analyst Init: RNR

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
10ml EPA 547										
10ml EPA 531.1										
oz EPA 548										
YT EPA 549										
YT EPA 8015M										
YT EPA 8270										
oz / 16oz / 32oz AMBER										
oz / 16oz / 32oz JAR										
OIL SLEEVE	14, 15	E	E	E	E	E	E	E	E	E
CB VIAL										
LASTIC BAG										
EDLAR BAG										
ERROUS IRON										
VCORE										
ART KIT	14, 15	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD
MMA CANISTER										

Comments: description doesn't match for 15.

Sample Numbering Completed By: [Signature] Date/Time: 9/11/17 2005

Actual / C = Corrected



BC LABORATORIES INC.		COOLER RECEIPT FORM		Page <u>3</u> Of <u>4</u>												
Submission #: <u>17-24616</u>																
SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		FREE LIQUID YES <input type="checkbox"/> NO <input type="checkbox"/> W <input checked="" type="checkbox"/> S											
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments: _____																
Custody Seals: Ice Chest <input type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Comments: _____																
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: <u>0.95</u> Container: <u>GLASS</u> Thermometer ID: <u>208</u>		Date/Time <u>9/11/17 1840</u>												
		Temperature: (A) <u>0.8</u> °C / (C) <u>0.7</u> °C		Analyst Init <u>RNR</u>												
SAMPLE CONTAINERS		SAMPLE NUMBERS														
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PT PE UNPRES																
1oz / 8oz / 16oz PE UNPRES																
1oz Cr <sup>6</sup>																
PT INORGANIC CHEMICAL METALS																
NORGANIC CHEMICAL METALS 4oz / 8oz / 16oz																
PT CYANIDE																
PT NITROGEN FORMS																
PT TOTAL SULFIDE																
1oz. NITRATE / NITRITE																
PT TOTAL ORGANIC CARBON																
PT CHEMICAL OXYGEN DEMAND																
PTA PHENOLICS																
40ml VOA VIAL TRAVEL BLANK																
40ml VOA VIAL																
QT EPA 1664																
PT ODOR																
RADIOLOGICAL																
BACTERIOLOGICAL																
40 ml VOA VIAL- 504																
QT EPA 508/608/8080																
QT EPA 515.1/8150																
QT EPA 525																
QT EPA 525 TRAVEL BLANK																
40ml EPA 547																
40ml EPA 531.1																
8oz EPA 548																
QT EPA 549																
QT EPA 8015M																
QT EPA 8270																
8oz / 16oz / 32oz AMBER																
8oz / 16oz / 32oz JAR																
SOIL SLEEVE																
PCB VIAL																
PLASTIC BAG																
TEDLAR BAG																
FERROUS IRON																
ENCORE																
SMART KIT																
SUMMA CANISTER																
Comments: <u>TIMES DON'T MATCH FOR 26.</u>																
Sample Numbering Completed By: <u>RNR</u>																
Date/Time: <u>9/11/17</u>																



BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4

Submission #: 17-24616

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify) \_\_\_\_\_

SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify) \_\_\_\_\_

FREE LIQUID: YES  NO  W / S

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received: YES  NO  Emission: 0.98 Container: GLASS Thermometer ID: 208 Date/Time: 9/11/17 1840

Temperature: (A) 0.8 °C / (C) 0.7 °C Analyst Init: RNR

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	19	20	21	22	23	24	25	26	27	28
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE	E	E	A	A	A	E	E	E		A
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT	ABCD	ABCD				ABCD	ABCD	ABCD		
SUMMA CANISTER										

Comments: \_\_\_\_\_

Sample Numbering Completed By: RNR Date/Time: 9/11/17 2005

Rev 21 05/23/2016 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMRECrev 20]



Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1724616-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 09:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB1-2	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			
1724616-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 09:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB1-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			
1724616-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 09:55
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB1-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			
1724616-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 08:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB2-2	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			
1724616-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 08:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB2-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			
1724616-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 08:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB2-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			
1724616-07	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 09:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB3-2	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil
	<hr/>			

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1724616-08	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 09:25
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB3-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-09	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 09:30
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB3-10	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-10	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB4-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-11	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB4-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-12	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 11:55
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB4-10	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-13	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 12:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB5-2	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil
1724616-14	<b>COC Number:</b>	---	<b>Receive Date:</b> 09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b> 08/31/2017 12:35
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b> ---
	<b>Sampling Point:</b>	RB5-5	<b>Lab Matrix:</b> Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b> Soil

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1724616-15	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 12:40
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB5-10		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-16	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 13:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB6-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-17	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 13:05
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB6-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-18	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB7-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-19	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:05
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB7-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-20	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:10
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB7-10		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-21	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 11:15
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB7-15		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1724616-22	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:12
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB8-1		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-23	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:15
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB8-3		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-24	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB9-1		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-25	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:05
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB9-3		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-26	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:10
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB10-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-27	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:15
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB10-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-28	<b>COC Number:</b>	---		09/01/2017 18:40	
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB11-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1724616-29	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB11-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-30	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 15:40
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB12-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-31	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB13-2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-32	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB13-5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-33	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 14:32
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	RB13-10		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-34	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 13:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SP1		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil
1724616-35	<b>COC Number:</b>	---		09/01/2017	18:40
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	08/31/2017 13:10
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SP2		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne		<b>Sample Type:</b>	Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1724616-36	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/01/2017 18:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	08/31/2017 13:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SP3	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	D.Dinapoli/D.Cheyne	<b>Sample Type:</b>	Soil

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-01		Client Sample Name: RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	0.026	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	0.019	mg/kg	0.010	0.0029	EPA-8082	50		1
<b>Total PCB's (Summation)</b>	<b>0.044</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0050</b>	<b>EPA-8082</b>	<b>50</b>		<b>1</b>
Decachlorobiphenyl (Surrogate)	61.7	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:53	HKS	GC-15	1.017	B 0756

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1724616-01) and Client Sample Name (RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various VOCs like Benzene, Bromobenzene, etc.

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various chemical constituents and their analysis results.

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-01	<b>Client Sample Name:</b> RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	01:28	ADC	MS-V3	0.765	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-01	<b>Client Sample Name:</b> RB1-2, 8/31/2017 9:45:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>12</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	<b>J</b>	1
Tetracosane (Surrogate)	65.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 15:23	AS1	GC-13	0.987	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-02		Client Sample Name: RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	51.7	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:04	HKS	GC-15	1.007	B 0756

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1724616-02) and Client Sample Name (RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various organic compounds and their detection results.

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various chemical constituents and their analysis results.

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-02	<b>Client Sample Name:</b> RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	01:51	ADC	MS-V3	0.685	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-02	<b>Client Sample Name:</b> RB1-5, 8/31/2017 9:50:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>20</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	64.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 12:41	AS1	GC-13	0.984	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-03		Client Sample Name: RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	40.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:14	HKS	GC-15	0.993	B[10756

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Rincon Consultants
180 North Ashwood Avenue
Ventura, CA 93003

Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1724616-03) and Client Sample Name (RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-03		Client Sample Name: RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0078	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00060	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0039	0.00086	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0078	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	119	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-03	<b>Client Sample Name:</b> RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	02:14	ADC	MS-V3	0.784	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-03	<b>Client Sample Name:</b> RB1-10, 8/31/2017 9:55:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>19</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	75.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 14:37	AS1	GC-13	0.984	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-04		Client Sample Name: RB2-2, 8/31/2017 8:40:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	43.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:25	HKS	GC-15	0.987	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-04	<b>Client Sample Name:</b> RB2-2, 8/31/2017 8:40:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	100	25	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	50	6.0	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>720</b>	<b>mg/kg</b>	<b>100</b>	<b>32</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	65.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 21:32	AS1	GC-13	5.085	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-05		Client Sample Name: RB2-5, 8/31/2017 8:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	45.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:35	HKS	GC-15	0.990	B 0756

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-05	<b>Client Sample Name:</b> RB2-5, 8/31/2017 8:45:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	100	12	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>2000</b>	<b>mg/kg</b>	<b>200</b>	<b>65</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	54.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 20:00	AS1	GC-13	10.169	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-06		Client Sample Name: RB2-10, 8/31/2017 8:50:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	45.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:46	HKS	GC-15	1	B[10756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-06	<b>Client Sample Name:</b> RB2-10, 8/31/2017 8:50:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>11</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	75.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 15:00	AS1	GC-13	0.990	B[10772

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-07		Client Sample Name: RB3-2, 8/31/2017 9:20:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	58.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 13:28	HKS	GC-15	1.003	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-07	<b>Client Sample Name:</b> RB3-2, 8/31/2017 9:20:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>17</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	<b>J</b>	1
Tetracosane (Surrogate)	78.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 12:18	AS1	GC-13	0.984	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-08		Client Sample Name: RB3-5, 8/31/2017 9:25:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	50.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 13:39	HKS	GC-15	0.984	B 0756

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-08	<b>Client Sample Name:</b> RB3-5, 8/31/2017 9:25:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	68.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 13:04	AS1	GC-13	1.017	B[10772

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**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-09		Client Sample Name: RB3-10, 8/31/2017 9:30:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	38.3	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 13:50	HKS	GC-15	1.014	B[10756

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-09	<b>Client Sample Name:</b> RB3-10, 8/31/2017 9:30:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>15</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	69.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 13:27	AS1	GC-13	1.017	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0041	0.00075	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0041	0.00068	EPA-8260B			1
Bromoform	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0041	0.00051	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0041	0.00080	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0041	0.00081	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0041	0.00069	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-10		Client Sample Name: RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0081	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0041	0.00041	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Styrene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Toluene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0041	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0041	0.00062	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0041	0.00089	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0081	0.0028	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0041	0.0018	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	02:37	ADC	MS-V3	0.812	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>70</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	75.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 17:42	AS1	GC-13	1.007	B[10772

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-10	<b>Client Sample Name:</b> RB4-2, 8/31/2017 11:45:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	97	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.30	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	8.6	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.024	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.82	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	7.8	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.9	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	21	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:22	JCC	PE-OP3	1	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:35	MEV	CETAC2	1.025	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-13	<b>Client Sample Name:</b> RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0044	0.00082	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0044	0.00075	EPA-8260B			1
Bromoform	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0044	0.0014	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Chloroform	ND	mg/kg	0.0044	0.00056	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0044	0.0016	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0044	0.00088	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0015	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0044	0.00089	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0044	0.0016	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0044	0.00072	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0044	0.00075	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0044	0.00072	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID:	1724616-13	Client Sample Name:	RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne					
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0044	0.0015	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0089	0.0021	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00044	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Styrene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
Toluene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	0.0019	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0018	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.00068	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0044	0.00098	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0044	0.00098	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0044	0.0014	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0044	0.0014	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0089	0.0030	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0044	0.0020	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0044	0.0011	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	116	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Rincon Consultants  
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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-13	<b>Client Sample Name:</b> RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	03:00	ADC	MS-V3	0.888	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-13	<b>Client Sample Name:</b> RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>250</b>	<b>mg/kg</b>	<b>40</b>	<b>13</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	65.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 20:23	AS1	GC-13	2.020	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

BCL Sample ID: 1724616-13		Client Sample Name: RB5-2, 8/31/2017 12:20:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	70	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.25	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	13	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	11	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	20		2
Molybdenum	0.51	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	9.1	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.3	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.78	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:50	JCC	PE-OP3	0.971	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:45	MEV	CETAC2	1.008	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-16	<b>Client Sample Name:</b> RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-16		Client Sample Name: RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-16	<b>Client Sample Name:</b> RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	03:23	ADC	MS-V3	0.958	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-16	<b>Client Sample Name:</b> RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	77	19	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	39	4.6	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>880</b>	<b>mg/kg</b>	<b>77</b>	<b>25</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	65.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 20:46	AS1	GC-13	3.871	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

**BCL Sample ID:** 1724616-16      **Client Sample Name:** RB6-2, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.4	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	60	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.25	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	17	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	18	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.028	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.94	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	11	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	45	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:52	JCC	PE-OP3	0.971	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:47	MEV	CETAC2	0.977	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0020	mg/kg	0.0050	0.0013	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-18		Client Sample Name: RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
<b>Toluene</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0050</b>	<b>0.0012</b>	<b>EPA-8260B</b>		<b>J</b>	<b>1</b>
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	03:46	ADC	MS-V3	0.996	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>27</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	78.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 15:46	AS1	GC-13	0.993	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-18	<b>Client Sample Name:</b> RB7-2, 8/31/2017 11:00:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.3	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	76	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.35	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.3	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.042	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.0	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.2	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	32	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	45	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:53	JCC	PE-OP3	1	B I0505
2	EPA-7471A	09/06/17	09/07/17 12:49	MEV	CETAC2	0.962	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-19	<b>Client Sample Name:</b> RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0016	mg/kg	0.0040	0.0010	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0040	0.00073	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0040	0.00067	EPA-8260B			1
Bromoform	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0040	0.00050	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0040	0.00078	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0040	0.00079	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.00064	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0040	0.00067	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0040	0.00064	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-19		Client Sample Name: RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0079	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00040	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.00061	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0040	0.00087	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0040	0.00087	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0079	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0040	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0040	0.00095	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	109	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-19	<b>Client Sample Name:</b> RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	04:09	ADC	MS-V3	0.792	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-19	<b>Client Sample Name:</b> RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>520</b>	<b>mg/kg</b>	<b>40</b>	<b>13</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	71.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 17:18	AS1	GC-13	2.020	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

BCL Sample ID: 1724616-19		Client Sample Name: RB7-5, 8/31/2017 11:05:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	79	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.69	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	33	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	61	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.083	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.48	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	14	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	2.0	2.0	EPA-6010B	100	A07	3
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.68	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	340	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	09/07/17	09/08/17 10:54	JCC	PE-OP3	0.909	B[10505
2	EPA-7471A	09/06/17	09/07/17 12:56	MEV	CETAC2	1.008	B[10353
3	EPA-6010B	09/07/17	09/08/17 12:16	JCC	PE-OP3	1.818	B[10505

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0016	mg/kg	0.0050	0.0013	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			2
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			2
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			2
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			2
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			2
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			2
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			2
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			2
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			2
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			2
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			2
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			2
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-20		Client Sample Name: RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			2
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			2
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			2
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			2
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			2
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			2
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			2
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		2
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			2
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			2
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			2
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			2
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			2
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			2
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			2
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	93.6	%	74 - 121 (LCL - UCL)		EPA-8260B			2

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	14:31	ADC	MS-V3	0.938	B[10228
2	EPA-8260B	09/05/17	09/06/17	14:08	ADC	MS-V3	0.938	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>9.7</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	75.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 13:50	AS1	GC-13	1.003	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-20	<b>Client Sample Name:</b> RB7-10, 8/31/2017 11:10:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.3	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	91	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.45	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.33	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.4	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	15	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.0	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.052	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.6	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	14	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	47	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	09/07/17	09/08/17	11:01	JCC	PE-OP3	0.943	B I0505
2	EPA-7471A	09/06/17	09/07/17	12:58	MEV	CETAC2	1.008	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0038	0.00071	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0038	0.00065	EPA-8260B			1
Bromoform	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0038	0.00048	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0038	0.00076	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00077	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00062	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00065	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00062	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-21		Client Sample Name: RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0077	0.0018	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00059	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0038	0.00084	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00084	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0077	0.0026	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0038	0.00092	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	107	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	04:33	ADC	MS-V3	0.768	B[10228

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	2.9	mg/kg	10	1.2	EPA-8015B/FFP	ND	J,A52	1
TPH - Motor Oil	11	mg/kg	20	6.5	EPA-8015B/FFP	ND	J	1
Tetracosane (Surrogate)	75.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 14:14	AS1	GC-13	0.987	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-21	<b>Client Sample Name:</b> RB7-15, 8/31/2017 11:15:00AM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	49	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.22	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.39	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.6	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	2.4	mg/kg	2.5	0.28	EPA-6010B	1000	J	1
Mercury	0.029	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.6	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	10	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.5	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	30	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:03	JCC	PE-OP3	0.917	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:00	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 1724616-22		Client Sample Name: RB8-1, 8/31/2017 2:12:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.020	0.0058	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.040	0.017	EPA-8151A			1
Dalapon	ND	mg/kg	0.050	0.034	EPA-8151A			1
Dicamba	ND	mg/kg	0.0020	0.0016	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.020	0.0055	EPA-8151A			1
Dinoseb	ND	mg/kg	0.0070	0.0024	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0030	0.0013	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	43.3	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 13:11	MSB	GC-8	0.990	B 0725

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-22	<b>Client Sample Name:</b> RB8-1, 8/31/2017 2:12:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>72</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	695	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A19	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 10:29	AS1	GC-13	0.993	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-22	<b>Client Sample Name:</b> RB8-1, 8/31/2017 2:12:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	5.8	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	1100	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.35	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.38	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	14	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	15	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	31	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.083	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.58	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	10	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	410	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:04	JCC	PE-OP3	0.980	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:02	MEV	CETAC2	1.025	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

BCL Sample ID: 1724616-23		Client Sample Name: RB8-3, 8/31/2017 2:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.058	0.017	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.12	0.049	EPA-8151A			1
Dalapon	ND	mg/kg	0.14	0.098	EPA-8151A			1
Dicamba	ND	mg/kg	0.0058	0.0046	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.058	0.016	EPA-8151A			1
Dinoseb	ND	mg/kg	0.020	0.0069	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0087	0.0038	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0087	0.0035	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	52.0	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 13:32	MSB	GC-8	2.885	B 0725

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-23	<b>Client Sample Name:</b> RB8-3, 8/31/2017 2:15:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	120	29	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	59	7.1	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>870</b>	<b>mg/kg</b>	<b>120</b>	<b>38</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	123	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 18:51	AS1	GC-13	5.882	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

BCL Sample ID: 1724616-23		Client Sample Name: RB8-3, 8/31/2017 2:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.20	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.29	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.8	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	9.7	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.035	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	1.1	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	11	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.9	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	46	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	09/07/17	09/08/17	11:06	JCC	PE-OP3	0.962	B I0505
2	EPA-7471A	09/06/17	09/07/17	13:05	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

<b>BCL Sample ID:</b> 1724616-24	<b>Client Sample Name:</b> RB9-1, 8/31/2017 2:00:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
2,4-D	ND	mg/kg	0.020	0.0058	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.040	0.017	EPA-8151A			1
Dalapon	ND	mg/kg	0.050	0.034	EPA-8151A			1
Dicamba	ND	mg/kg	0.0020	0.0016	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.020	0.0055	EPA-8151A			1
Dinoseb	ND	mg/kg	0.0070	0.0024	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0030	0.0013	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	44.0	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 13:53	MSB	GC-8	0.987	B 0725

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**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-24	<b>Client Sample Name:</b> RB9-1, 8/31/2017 2:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	40	10	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	20	2.4	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>160</b>	<b>mg/kg</b>	<b>40</b>	<b>13</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	67.6	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/09/17 19:14	AS1	GC-13	2.027	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-24	<b>Client Sample Name:</b> RB9-1, 8/31/2017 2:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	67	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.11	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	8.4	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	ND	mg/kg	0.16	0.019	EPA-7471A	20		2
Molybdenum	0.10	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	5.9	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	18	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	31	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:07	JCC	PE-OP3	0.909	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:07	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Chlorinated Herbicides (EPA Method 8151A)

<b>BCL Sample ID:</b> 1724616-25	<b>Client Sample Name:</b> RB9-3, 8/31/2017 2:05:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	LabQuals	Run #
2,4-D	ND	mg/kg	0.020	0.0058	EPA-8151A	100		1
2,4-DB	ND	mg/kg	0.040	0.017	EPA-8151A			1
Dalapon	ND	mg/kg	0.050	0.034	EPA-8151A			1
Dicamba	ND	mg/kg	0.0020	0.0016	EPA-8151A			1
Dichloroprop	ND	mg/kg	0.020	0.0055	EPA-8151A			1
Dinoseb	ND	mg/kg	0.0070	0.0024	EPA-8151A			1
2,4,5-T	ND	mg/kg	0.0030	0.0013	EPA-8151A			1
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8151A	10		1
2,4-Dichlorophenylacetic acid (Surrogate)	43.7	%	40 - 120 (LCL - UCL)		EPA-8151A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8151A	09/08/17	09/11/17 14:15	MSB	GC-8	0.984	B 0725

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-25	<b>Client Sample Name:</b> RB9-3, 8/31/2017 2:05:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>28</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	83.8	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 10:06	AS1	GC-13	0.987	B[10772

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-25	<b>Client Sample Name:</b> RB9-3, 8/31/2017 2:05:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.7	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	43	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.13	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	9.6	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.3	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	7.5	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	9.4	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.045	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.16	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	7.0	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	21	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	26	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/07/17	09/08/17 11:09	JCC	PE-OP3	0.980	B I0505
2	EPA-7471A	09/06/17	09/07/17 13:09	MEV	CETAC2	1.025	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTL Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	1.4	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A		A10	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A		A10	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A		A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	4.0	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.0085	EPA-8081A	2.5	A10	1
4,4'-DDD	ND	mg/kg	0.0025	0.0010	EPA-8081A	1.0	A10	1
<b>4,4'-DDE</b>	<b>0.00036</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00010</b>	<b>EPA-8081A</b>	1.0	<b>J,A10</b>	1
<b>4,4'-DDT</b>	<b>0.0057</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00046</b>	<b>EPA-8081A</b>	1.0	<b>A10</b>	1
Dieldrin	ND	mg/kg	0.0025	0.00040	EPA-8081A	8.0	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A		A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A		A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A		A10	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	0.2	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A		A10	1
Heptachlor	ND	mg/kg	0.0025	0.00018	EPA-8081A	4.7	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.000085	EPA-8081A		A10	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	100	A10	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	5	A10	1
TCMX (Surrogate)	34.8	%	20 - 130 (LCL - UCL)		EPA-8081A		A10	1
Decachlorobiphenyl (Surrogate)	38.0	%	40 - 130 (LCL - UCL)		EPA-8081A		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 13:33	HKS	GC-17	4.950	B 0758

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0039	0.00072	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
Bromoform	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0039	0.00049	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0039	0.00077	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00063	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00063	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0078	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00060	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0039	0.00086	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0078	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	04:56	ADC	MS-V3	0.780	B[10228

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>65</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	39.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 10:52	AS1	GC-13	1.017	B[10763

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-26	<b>Client Sample Name:</b> RB10-2, 8/31/2017 3:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	77	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.39	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.55	mg/kg	0.50	0.052	EPA-6010B	100		1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	5.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	16	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	24	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.050	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.26	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	32	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	62	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:55	JCC	PE-OP3	0.980	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:11	MEV	CETAC2	1.025	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
4,4'-DDE	ND	mg/kg	0.00050	0.000020	EPA-8081A	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	28.9	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	44.0	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 11:34	HKS	GC-17	1	B 0758

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0010	mg/kg	0.0040	0.0010	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0040	0.00074	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0040	0.00068	EPA-8260B			1
Bromoform	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0040	0.00051	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0040	0.00080	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0040	0.00080	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.00065	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0040	0.00068	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0040	0.00065	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-27		Client Sample Name: RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0040	0.0014	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0080	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00040	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0040	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
Toluene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.00062	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0040	0.00088	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0040	0.00088	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0040	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0080	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0040	0.0018	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0040	0.00096	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	116	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	05:19	ADC	MS-V3	0.804	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	80.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 02:32	AS1	GC-13	0.987	B[10763

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-27	<b>Client Sample Name:</b> RB10-5, 8/31/2017 3:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	1.9	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	87	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.19	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	18	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.2	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	13	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	4.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.035	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.64	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	12	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.93	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	35	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	46	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:56	JCC	PE-OP3	0.971	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:13	MEV	CETAC2	0.962	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
<b>4,4'-DDE</b>	<b>0.000071</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	1.0	<b>J</b>	1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	51.2	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	55.5	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 11:48	HKS	GC-17	1.014	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0038	0.00070	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0038	0.00064	EPA-8260B			1
Bromoform	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0038	0.00048	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0038	0.00075	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00076	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00061	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00064	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00061	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-28		Client Sample Name: RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0076	0.0018	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
Toluene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00058	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0038	0.00083	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00083	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.00099	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0076	0.0026	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0038	0.00091	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	05:42	ADC	MS-V3	0.759	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	6.5	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	92.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 04:27	AS1	GC-13	1.014	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-28	<b>Client Sample Name:</b> RB11-2, 8/31/2017 3:25:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.6	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	83	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.46	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.38	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	18	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	16	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.051	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.087	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	13	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	0.85	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	64	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:58	JCC	PE-OP3	0.917	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:15	MEV	CETAC2	0.962	B I0353

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Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
<b>4,4'-DDE</b>	<b>0.00028</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	1.0	J	1
<b>4,4'-DDT</b>	<b>0.00031</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000093</b>	<b>EPA-8081A</b>	1.0	J	1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	56.4	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	46.6	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 12:47	HKS	GC-17	1	B[10758

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0035	mg/kg	0.0041	0.0011	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0041	0.00075	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0041	0.00068	EPA-8260B			1
Bromoform	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0041	0.00051	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0041	0.00080	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0041	0.00081	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0041	0.0015	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0041	0.00069	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0041	0.00066	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-29		Client Sample Name: RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0041	0.0014	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0081	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0041	0.00041	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
Styrene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
<b>Toluene</b>	<b>0.0017</b>	<b>mg/kg</b>	<b>0.0041</b>	<b>0.00097</b>	<b>EPA-8260B</b>		<b>J</b>	<b>1</b>
1,2,3-Trichlorobenzene	ND	mg/kg	0.0041	0.0017	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0041	0.00062	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0041	0.00089	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0041	0.00089	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0041	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0081	0.0028	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0041	0.0018	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0041	0.00097	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	06:05	ADC	MS-V3	0.810	B[10228

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180 North Ashwood Avenue  
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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>8.7</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	73.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 04:50	AS1	GC-13	1.010	B[10763

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-29	<b>Client Sample Name:</b> RB11-5, 8/31/2017 3:30:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	98	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.51	mg/kg	0.50	0.047	EPA-6010B	75		1
Cadmium	0.22	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	19	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	6.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	16	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.9	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.036	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.54	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	13	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	2.0	2.0	EPA-6010B	100	A07	3
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	700	J	1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	51	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/08/17 19:59	JCC	PE-OP3	0.971	B[10577
2	EPA-7471A	09/06/17	09/07/17 13:22	MEV	CETAC2	0.992	B[10353
3	EPA-6010B	09/08/17	09/11/17 10:25	JCC	PE-OP3	1.942	B[10577

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Organochlorine Pesticides (EPA Method 8081A)

Table with 2 columns: BCL Sample ID (1724616-30) and Client Sample Name (RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, TTLC Limits, Lab Quals, Run #. Lists various pesticides like Aldrin, BHC, DDT, etc.

QC Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID.

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	0.0038	mg/kg	0.0039	0.0010	EPA-8260B		J	1
Bromobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0039	0.00072	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0039	0.00066	EPA-8260B			1
Bromoform	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Chloroform	ND	mg/kg	0.0039	0.00049	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00078	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0039	0.0014	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00064	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00067	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00064	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-30		Client Sample Name: RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.0078	0.0019	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
Styrene	ND	mg/kg	0.0039	0.0011	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
<b>Toluene</b>	<b>0.0028</b>	<b>mg/kg</b>	<b>0.0039</b>	<b>0.00094</b>	<b>EPA-8260B</b>		<b>J</b>	<b>1</b>
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0016	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00060	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0039	0.00086	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.00086	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.0010	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0039	0.0013	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.0078	0.0027	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0039	0.00094	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	06:28	ADC	MS-V3	0.785	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	100	12	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>2800</b>	<b>mg/kg</b>	<b>200</b>	<b>65</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	83.9	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 11:37	AS1	GC-13	10.169	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-30	<b>Client Sample Name:</b> RB12-2, 8/31/2017 3:40:00PM, D.Dinapoli/D.Cheyne
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	4.0	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	54	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.26	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.30	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	16	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	19	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	18	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.040	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.93	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	9.2	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	1.0	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	57	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/11/17 10:38	JCC	PE-OP3	0.935	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:24	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-31		Client Sample Name: RB13-2, 8/31/2017 2:25:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
<b>PCB-1260</b>	<b>0.026</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0029</b>	<b>EPA-8082</b>	50		1
<b>Total PCB's (Summation)</b>	<b>0.026</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0050</b>	<b>EPA-8082</b>	50		1
Decachlorobiphenyl (Surrogate)	48.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:38	ZZZ	GC-14	1.003	B[10756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-31	<b>Client Sample Name:</b> RB13-2, 8/31/2017 2:25:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	200	50	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	100	12	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>2100</b>	<b>mg/kg</b>	<b>200</b>	<b>65</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	79.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/11/17 11:14	AS1	GC-13	10.135	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-32		Client Sample Name: RB13-5, 8/31/2017 2:30:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	36.7	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:48	ZZZ	GC-14	1.017	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-32	<b>Client Sample Name:</b> RB13-5, 8/31/2017 2:30:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>13</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	72.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 04:04	AS1	GC-13	0.997	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-33		Client Sample Name: RB13-10, 8/31/2017 2:32:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	36.7	%	40 - 120 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 11:59	ZZZ	GC-14	1.017	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-33	<b>Client Sample Name:</b> RB13-10, 8/31/2017 2:32:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>8.1</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND	J	1
Tetracosane (Surrogate)	67.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 02:55	AS1	GC-13	1.014	B[10763

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTL Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
<b>4,4'-DDD</b>	<b>0.00074</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00021</b>	<b>EPA-8081A</b>	1.0		1
<b>4,4'-DDE</b>	<b>0.0025</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.00020</b>	<b>EPA-8081A</b>	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
<b>Dieldrin</b>	<b>0.012</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000079</b>	<b>EPA-8081A</b>	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	47.6	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	39.7	%	40 - 130 (LCL - UCL)		EPA-8081A		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 13:03	HKS	GC-17	1.017	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-34		Client Sample Name: SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	45.0	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:10	ZZZ	GC-14	0.987	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-34		Client Sample Name: SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	94.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/05/17	09/06/17 14:54	ADC	MS-V3	1	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	EPA-8015B/FFP	ND		1
<b>TPH - Motor Oil</b>	<b>30</b>	<b>mg/kg</b>	<b>20</b>	<b>6.5</b>	<b>EPA-8015B/FFP</b>	ND		1
Tetracosane (Surrogate)	77.7	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 05:36	AS1	GC-13	0.993	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-34	<b>Client Sample Name:</b> SP1, 8/31/2017 1:00:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.5	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	47	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.22	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	9.6	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.1	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	9.9	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	5.5	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.045	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.58	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	7.3	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	36	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/11/17 10:39	JCC	PE-OP3	0.952	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:28	MEV	CETAC2	0.992	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLCLimits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000034	EPA-8081A	1.4		1
alpha-BHC	ND	mg/kg	0.00050	0.00013	EPA-8081A			1
beta-BHC	ND	mg/kg	0.00050	0.00015	EPA-8081A			1
delta-BHC	ND	mg/kg	0.00050	0.000047	EPA-8081A			1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.000082	EPA-8081A	4.0		1
Chlordane (Technical)	ND	mg/kg	0.050	0.0017	EPA-8081A	2.5		1
4,4'-DDD	ND	mg/kg	0.00050	0.00021	EPA-8081A	1.0		1
<b>4,4'-DDE</b>	<b>0.0021</b>	<b>mg/kg</b>	<b>0.00050</b>	<b>0.000020</b>	<b>EPA-8081A</b>	1.0		1
4,4'-DDT	ND	mg/kg	0.00050	0.000093	EPA-8081A	1.0		1
Dieldrin	ND	mg/kg	0.00050	0.000079	EPA-8081A	8.0		1
Endosulfan I	ND	mg/kg	0.00050	0.000022	EPA-8081A			1
Endosulfan II	ND	mg/kg	0.00050	0.00014	EPA-8081A			1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00034	EPA-8081A			1
Endrin	ND	mg/kg	0.00050	0.000091	EPA-8081A	0.2		1
Endrin aldehyde	ND	mg/kg	0.00050	0.00023	EPA-8081A			1
Heptachlor	ND	mg/kg	0.00050	0.000036	EPA-8081A	4.7		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.000017	EPA-8081A			1
Methoxychlor	ND	mg/kg	0.00050	0.00021	EPA-8081A	100		1
Toxaphene	ND	mg/kg	0.050	0.0094	EPA-8081A	5		1
TCMX (Surrogate)	72.3	%	20 - 130 (LCL - UCL)		EPA-8081A			1
Decachlorobiphenyl (Surrogate)	64.7	%	40 - 130 (LCL - UCL)		EPA-8081A			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 13:18	HKS	GC-17	1.010	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-35		Client Sample Name: SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
PCB-1260	ND	mg/kg	0.010	0.0029	EPA-8082	50		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	63.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:21	ZZZ	GC-14	0.990	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
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Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-35		Client Sample Name: SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	15:17	ADC	MS-V3	1	B[10228

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20	5.0	EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	15	mg/kg	10	1.2	EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	43	mg/kg	20	6.5	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	79.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 05:13	AS1	GC-13	1	B[10763

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-35	<b>Client Sample Name:</b> SP2, 8/31/2017 1:10:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	3.3	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	58	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.42	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.31	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	8.3	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	4.6	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	6.6	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.047	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.78	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	8.0	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	2.1	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	26	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	35	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/11/17	09/11/17 15:51	JCC	PE-OP3	1	B I0788
2	EPA-7471A	09/06/17	09/07/17 13:30	MEV	CETAC2	0.992	B I0353

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00017	EPA-8081A	1.4	A01	1
alpha-BHC	ND	mg/kg	0.0025	0.00065	EPA-8081A		A01	1
beta-BHC	ND	mg/kg	0.0025	0.00075	EPA-8081A		A01	1
delta-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081A		A01	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00041	EPA-8081A	4.0	A01	1
Chlordane (Technical)	ND	mg/kg	0.25	0.0085	EPA-8081A	2.5	A01	1
4,4'-DDD	ND	mg/kg	0.0025	0.0010	EPA-8081A	1.0	A01	1
<b>4,4'-DDE</b>	<b>0.0011</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00010</b>	<b>EPA-8081A</b>	1.0	<b>J,A01</b>	1
<b>4,4'-DDT</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00046</b>	<b>EPA-8081A</b>	1.0	<b>J,A01</b>	1
<b>Dieldrin</b>	<b>0.00055</b>	<b>mg/kg</b>	<b>0.0025</b>	<b>0.00040</b>	<b>EPA-8081A</b>	8.0	<b>J,A01</b>	1
Endosulfan I	ND	mg/kg	0.0025	0.00011	EPA-8081A		A01	1
Endosulfan II	ND	mg/kg	0.0025	0.00070	EPA-8081A		A01	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.0017	EPA-8081A		A01	1
Endrin	ND	mg/kg	0.0025	0.00046	EPA-8081A	0.2	A01	1
Endrin aldehyde	ND	mg/kg	0.0025	0.0012	EPA-8081A		A01	1
Heptachlor	ND	mg/kg	0.0025	0.00018	EPA-8081A	4.7	A01	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.000085	EPA-8081A		A01	1
Methoxychlor	ND	mg/kg	0.0025	0.0010	EPA-8081A	100	A01	1
Toxaphene	ND	mg/kg	0.25	0.047	EPA-8081A	5	A01	1
TCMX (Surrogate)	35.1	%	20 - 130 (LCL - UCL)		EPA-8081A		A01	1
Decachlorobiphenyl (Surrogate)	40.1	%	40 - 130 (LCL - UCL)		EPA-8081A		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081A	09/08/17	09/11/17 14:32	HKS	GC-17	5.068	B 0758

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1724616-36		Client Sample Name: SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLT Limits	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0039	EPA-8082	50		1
PCB-1221	ND	mg/kg	0.010	0.0072	EPA-8082	50		1
PCB-1232	ND	mg/kg	0.010	0.0074	EPA-8082	50		1
PCB-1242	ND	mg/kg	0.010	0.0042	EPA-8082	50		1
PCB-1248	ND	mg/kg	0.010	0.0070	EPA-8082	50		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	50		1
<b>PCB-1260</b>	<b>0.0060</b>	<b>mg/kg</b>	<b>0.010</b>	<b>0.0029</b>	<b>EPA-8082</b>	50	<b>J</b>	1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	50		1
Decachlorobiphenyl (Surrogate)	48.3	%	40 - 120 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	09/08/17	09/11/17 12:31	ZZZ	GC-14	1.003	B 0756

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLC Limits	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B			1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B			1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B			1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B			1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B			1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B			1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B			1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B			1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1724616-36		Client Sample Name: SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne						
Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B			1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B			1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B			1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B			1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B			1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B			1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B			1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	2040		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B			1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B			1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B			1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B			1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B			1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B			1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	09/05/17	09/06/17	15:40	ADC	MS-V3	1	B[10228

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	100	25	EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	50	6.0	EPA-8015B/FFP	ND	A01	1
<b>TPH - Motor Oil</b>	<b>370</b>	<b>mg/kg</b>	<b>100</b>	<b>32</b>	<b>EPA-8015B/FFP</b>	ND	<b>A01</b>	1
Tetracosane (Surrogate)	74.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	09/08/17	09/10/17 05:59	AS1	GC-13	5.085	B[10763

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLIC)

<b>BCL Sample ID:</b> 1724616-36	<b>Client Sample Name:</b> SP3, 8/31/2017 1:15:00PM, D.Dinapoli/D.Cheyne
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	TTLIC Limits	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	500		1
Arsenic	2.2	mg/kg	1.0	0.40	EPA-6010B	500		1
Barium	56	mg/kg	0.50	0.18	EPA-6010B	10000		1
Beryllium	0.25	mg/kg	0.50	0.047	EPA-6010B	75	J	1
Cadmium	0.10	mg/kg	0.50	0.052	EPA-6010B	100	J	1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	2500		1
Cobalt	3.7	mg/kg	2.5	0.098	EPA-6010B	8000		1
Copper	8.2	mg/kg	1.0	0.050	EPA-6010B	2500		1
Lead	7.3	mg/kg	2.5	0.28	EPA-6010B	1000		1
Mercury	0.045	mg/kg	0.16	0.019	EPA-7471A	20	J	2
Molybdenum	0.093	mg/kg	2.5	0.050	EPA-6010B	3500	J	1
Nickel	6.6	mg/kg	0.50	0.15	EPA-6010B	2000		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	100		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	500		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	700		1
Vanadium	22	mg/kg	0.50	0.11	EPA-6010B	2400		1
Zinc	32	mg/kg	2.5	0.087	EPA-6010B	5000		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	09/08/17	09/11/17 10:41	JCC	PE-OP3	0.917	B I0577
2	EPA-7471A	09/06/17	09/07/17 13:26	MEV	CETAC2	0.962	B I0353

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10758]</b>						
Aldrin	B[10758-BLK1	ND	mg/kg	0.00050	0.000034	
alpha-BHC	B[10758-BLK1	ND	mg/kg	0.00050	0.00013	
beta-BHC	B[10758-BLK1	ND	mg/kg	0.00050	0.00015	
delta-BHC	B[10758-BLK1	ND	mg/kg	0.00050	0.000047	
gamma-BHC (Lindane)	B[10758-BLK1	ND	mg/kg	0.00050	0.000082	
Chlordane (Technical)	B[10758-BLK1	ND	mg/kg	0.050	0.0017	
4,4'-DDD	B[10758-BLK1	ND	mg/kg	0.00050	0.00021	
4,4'-DDE	B[10758-BLK1	ND	mg/kg	0.00050	0.000020	
4,4'-DDT	B[10758-BLK1	ND	mg/kg	0.00050	0.000093	
Dieldrin	B[10758-BLK1	ND	mg/kg	0.00050	0.000079	
Endosulfan I	B[10758-BLK1	ND	mg/kg	0.00050	0.000022	
Endosulfan II	B[10758-BLK1	ND	mg/kg	0.00050	0.00014	
Endosulfan sulfate	B[10758-BLK1	ND	mg/kg	0.00050	0.00034	
Endrin	B[10758-BLK1	ND	mg/kg	0.00050	0.000091	
Endrin aldehyde	B[10758-BLK1	ND	mg/kg	0.00050	0.00023	
Heptachlor	B[10758-BLK1	ND	mg/kg	0.00050	0.000036	
Heptachlor epoxide	B[10758-BLK1	ND	mg/kg	0.00050	0.000017	
Methoxychlor	B[10758-BLK1	ND	mg/kg	0.00050	0.00021	
Toxaphene	B[10758-BLK1	ND	mg/kg	0.050	0.0094	
<b>TCMX (Surrogate)</b>	<b>B[10758-BLK1</b>	<b>99.1</b>	<b>%</b>	<b>20 - 130 (LCL - UCL)</b>		
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B[10758-BLK1</b>	<b>96.1</b>	<b>%</b>	<b>40 - 130 (LCL - UCL)</b>		

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180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Organochlorine Pesticides (EPA Method 8081A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0758</b>										
Aldrin	B[0758-BS1	LCS	0.0044980	0.0050676	mg/kg	88.8		70	130	
gamma-BHC (Lindane)	B[0758-BS1	LCS	0.0046885	0.0050676	mg/kg	92.5		60	140	
4,4'-DDT	B[0758-BS1	LCS	0.0064669	0.0050676	mg/kg	128		60	140	
Dieldrin	B[0758-BS1	LCS	0.0047517	0.0050676	mg/kg	93.8		70	130	
Endrin	B[0758-BS1	LCS	0.0054402	0.0050676	mg/kg	107		60	140	
Heptachlor	B[0758-BS1	LCS	0.0049247	0.0050676	mg/kg	97.2		60	140	
TCMX (Surrogate)	B[0758-BS1	LCS	0.0095693	0.010135	mg/kg	94.4		20	130	
Decachlorobiphenyl (Surrogate)	B[0758-BS1	LCS	0.018280	0.020270	mg/kg	90.2		40	130	

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Reported: 09/12/2017 11:31  
Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Organochlorine Pesticides (EPA Method 8081A)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab	
								Percent Recovery	RPD		Percent Recovery
<b>QC Batch ID: B[0758]</b>		Used client sample: Y - Description: RB10-2, 08/31/2017 15:10									
Aldrin	MS	1724616-26	ND	0.0030607	0.0049180	mg/kg		62.2		50 - 140	A10
	MSD	1724616-26	ND	0.0027664	0.0049342	mg/kg	10.1	56.1	30	50 - 140	
gamma-BHC (Lindane)	MS	1724616-26	ND	0.0029869	0.0049180	mg/kg		60.7		50 - 140	A10
	MSD	1724616-26	ND	0.0027566	0.0049342	mg/kg	8.0	55.9	30	50 - 140	
<b>4,4'-DDT</b>	MS	<b>1724616-26</b>	<b>0.0056815</b>	<b>0.0078000</b>	<b>0.0049180</b>	<b>mg/kg</b>		<b>43.1</b>		<b>50 - 140</b>	<b>A10</b>
	MSD	<b>1724616-26</b>	<b>0.0056815</b>	<b>0.0056694</b>	<b>0.0049342</b>	<b>mg/kg</b>	<b>31.6</b>	<b>-0.2</b>	<b>30</b>	<b>50 - 140</b>	<b>Q03</b>
Dieldrin	MS	1724616-26	ND	0.0032377	0.0049180	mg/kg		65.8		40 - 140	A10
	MSD	1724616-26	ND	0.0029194	0.0049342	mg/kg	10.3	59.2	30	40 - 140	
Endrin	MS	1724616-26	ND	0.0033902	0.0049180	mg/kg		68.9		50 - 150	A10
	MSD	1724616-26	ND	0.0030740	0.0049342	mg/kg	9.8	62.3	30	50 - 150	
<b>Heptachlor</b>	MS	<b>1724616-26</b>	<b>ND</b>	<b>0.0031426</b>	<b>0.0049180</b>	<b>mg/kg</b>		<b>63.9</b>		<b>60 - 140</b>	<b>A10</b>
	MSD	<b>1724616-26</b>	<b>ND</b>	<b>0.0028470</b>	<b>0.0049342</b>	<b>mg/kg</b>	<b>9.9</b>	<b>57.7</b>	<b>30</b>	<b>60 - 140</b>	<b>Q03</b>
TCMX (Surrogate)	MS	1724616-26	ND	0.0068459	0.0098361	mg/kg		69.6		20 - 130	A10
	MSD	1724616-26	ND	0.0061941	0.0098684	mg/kg	10.0	62.8		20 - 130	
Decachlorobiphenyl (Surrogate)	MS	1724616-26	ND	0.012246	0.019672	mg/kg		62.3		40 - 130	A10
	MSD	1724616-26	ND	0.011082	0.019737	mg/kg	10.0	56.1		40 - 130	

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**Reported:** 09/12/2017 11:31  
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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10756]</b>						
PCB-1016	B[10756-BLK1	ND	mg/kg	0.010	0.0039	
PCB-1221	B[10756-BLK1	ND	mg/kg	0.010	0.0072	
PCB-1232	B[10756-BLK1	ND	mg/kg	0.010	0.0074	
PCB-1242	B[10756-BLK1	ND	mg/kg	0.010	0.0042	
PCB-1248	B[10756-BLK1	ND	mg/kg	0.010	0.0070	
PCB-1254	B[10756-BLK1	ND	mg/kg	0.010	0.0032	
PCB-1260	B[10756-BLK1	ND	mg/kg	0.010	0.0029	
Total PCB's (Summation)	B[10756-BLK1	ND	mg/kg	0.010	0.0050	
<b>Decachlorobiphenyl (Surrogate)</b>	<b>B[10756-BLK1</b>	<b>71.7</b>	<b>%</b>		<b>40 - 120 (LCL - UCL)</b>	

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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: B[0756</b>											
PCB-1016	B[0756-BS1	LCS	0.071864	0.084746	mg/kg	84.8		60	120		
PCB-1260	B[0756-BS1	LCS	0.074576	0.084746	mg/kg	88.0		60	120		
Decachlorobiphenyl (Surrogate)	B[0756-BS1	LCS	0.016949	0.020339	mg/kg	83.3		40	120		

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Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: B[0756]</b>		Used client sample: Y - Description: RB13-5, 08/31/2017 14:30									
PCB-1016	MS	1724616-32	ND	0.035811	0.084459	mg/kg		42.4		60 - 120	Q03
	MSD	1724616-32	ND	0.035254	0.084746	mg/kg	1.6	41.6	30	60 - 120	Q03
PCB-1260	MS	1724616-32	ND	0.034459	0.084459	mg/kg		40.8		60 - 120	Q03
	MSD	1724616-32	ND	0.034237	0.084746	mg/kg	0.6	40.4	30	60 - 120	Q03
Decachlorobiphenyl (Surrogate)	MS	1724616-32	ND	0.0084459	0.020270	mg/kg		41.7		40 - 120	
	MSD	1724616-32	ND	0.0091525	0.020339	mg/kg	8.0	45.0		40 - 120	

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
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**Project Manager:** Matt Pendleton

## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10725</b>						
2,4-D	B[10725-BLK1	ND	mg/kg	0.020	0.0058	
2,4-DB	B[10725-BLK1	ND	mg/kg	0.040	0.017	
Dalapon	B[10725-BLK1	ND	mg/kg	0.050	0.034	
Dicamba	B[10725-BLK1	ND	mg/kg	0.0020	0.0016	
Dichloroprop	B[10725-BLK1	ND	mg/kg	0.020	0.0055	
Dinoseb	B[10725-BLK1	ND	mg/kg	0.0070	0.0024	
2,4,5-T	B[10725-BLK1	ND	mg/kg	0.0030	0.0013	
2,4,5-TP (Silvex)	B[10725-BLK1	ND	mg/kg	0.0030	0.0012	
<b>2,4-Dichlorophenylacetic acid (Surrogate)</b>	<b>B[10725-BLK1</b>	<b>80.3</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		

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**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0725]</b>										
2,4-D	B[0725-BS1	LCS	0.087838	0.081081	mg/kg	108		50	120	
2,4-DB	B[0725-BS1	LCS	0.18209	0.18243	mg/kg	99.8		50	120	
Dicamba	B[0725-BS1	LCS	0.016554	0.020270	mg/kg	81.7		50	120	
Dichloroprop	B[0725-BS1	LCS	0.062500	0.081081	mg/kg	77.1		50	120	
Dinoseb	B[0725-BS1	LCS	0.037838	0.040541	mg/kg	93.3		50	120	
2,4,5-T	B[0725-BS1	LCS	0.019932	0.020270	mg/kg	98.3		30	120	
2,4,5-TP (Silvex)	B[0725-BS1	LCS	0.019257	0.020270	mg/kg	95.0		50	120	
2,4-Dichlorophenylacetic acid (Surrogate)	B[0725-BS1	LCS	0.10676	0.13514	mg/kg	79.0		40	120	

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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

## Chlorinated Herbicides (EPA Method 8151A)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab
									RPD	Percent Recovery	
<b>QC Batch ID: B[0725]</b>		Used client sample: Y - Description: RB9-3, 08/31/2017 14:05									
2,4-D	MS	1724616-25	ND	0.062951	0.078689	mg/kg		80.0		40 - 120	
	MSD	1724616-25	ND	0.042763	0.078947	mg/kg	38.2	54.2	30	40 - 120	Q02
2,4-DB	MS	1724616-25	ND	0.13279	0.17705	mg/kg		75.0		50 - 120	
	MSD	1724616-25	ND	0.098355	0.17763	mg/kg	29.8	55.4	30	50 - 120	
Dicamba	MS	1724616-25	ND	0.014098	0.019672	mg/kg		71.7		50 - 120	
	MSD	1724616-25	ND	0.0098684	0.019737	mg/kg	35.3	50.0	30	50 - 120	Q02
Dichloroprop	MS	1724616-25	ND	0.041967	0.078689	mg/kg		53.3		40 - 120	
	MSD	1724616-25	ND	0.032237	0.078947	mg/kg	26.2	40.8	30	40 - 120	
Dinoseb	MS	1724616-25	ND	0.026230	0.039344	mg/kg		66.7		40 - 130	
	MSD	1724616-25	ND	0.020066	0.039474	mg/kg	26.6	50.8	30	40 - 130	
2,4,5-T	MS	1724616-25	ND	0.014098	0.019672	mg/kg		71.7		30 - 120	
	MSD	1724616-25	ND	0.010855	0.019737	mg/kg	26.0	55.0	30	30 - 120	
2,4,5-TP (Silvex)	MS	1724616-25	ND	0.013443	0.019672	mg/kg		68.3		40 - 120	
	MSD	1724616-25	ND	0.0098684	0.019737	mg/kg	30.7	50.0	30	40 - 120	Q02
2,4-Dichlorophenylacetic acid (Surrogate)	MS	1724616-25	ND	0.10656	0.13115	mg/kg		81.3		40 - 120	
	MSD	1724616-25	ND	0.076645	0.13158	mg/kg	32.7	58.2		40 - 120	

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**Reported:** 09/12/2017 11:31  
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Project Manager: Matt Pendleton

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10228</b>						
Benzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	B[10228-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	

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**Reported:** 09/12/2017 11:31  
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## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10228]</b>						
trans-1,3-Dichloropropene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	B[10228-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	B[10228-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	B[10228-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	B[10228-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2,2-Tetrachloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	B[10228-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	B[10228-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	B[10228-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	B[10228-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	B[10228-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	B[10228-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>B[10228-BLK1</b>	<b>103</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>B[10228-BLK1</b>	<b>102</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>B[10228-BLK1</b>	<b>95.1</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

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Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B[0228</b>										
Benzene	B[0228-BS1	LCS	0.14223	0.12500	mg/kg	114		70 - 130		
Bromodichloromethane	B[0228-BS1	LCS	0.11674	0.12500	mg/kg	93.4		70 - 130		
Chlorobenzene	B[0228-BS1	LCS	0.13054	0.12500	mg/kg	104		70 - 130		
Chloroethane	B[0228-BS1	LCS	0.10970	0.12500	mg/kg	87.8		70 - 130		
1,4-Dichlorobenzene	B[0228-BS1	LCS	0.12727	0.12500	mg/kg	102		70 - 130		
1,1-Dichloroethane	B[0228-BS1	LCS	0.13302	0.12500	mg/kg	106		70 - 130		
1,1-Dichloroethene	B[0228-BS1	LCS	0.12797	0.12500	mg/kg	102		70 - 130		
Toluene	B[0228-BS1	LCS	0.12212	0.12500	mg/kg	97.7		70 - 130		
Trichloroethene	B[0228-BS1	LCS	0.12078	0.12500	mg/kg	96.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B[0228-BS1	LCS	0.050180	0.050000	mg/kg	100		70 - 121		
Toluene-d8 (Surrogate)	B[0228-BS1	LCS	0.049880	0.050000	mg/kg	99.8		81 - 117		
4-Bromofluorobenzene (Surrogate)	B[0228-BS1	LCS	0.050040	0.050000	mg/kg	100		74 - 121		

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Project: Soil Samples  
Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab	
								Percent Recovery	RPD		Percent Recovery
<b>QC Batch ID: B J0228</b>		Used client sample: N									
Benzene	MS	1722106-96	ND	0.13174	0.12500	mg/kg		105		70 - 130	
	MSD	1722106-96	ND	0.13261	0.12500	mg/kg	0.7	106	20	70 - 130	
Bromodichloromethane	MS	1722106-96	ND	0.098330	0.12500	mg/kg		78.7		70 - 130	
	MSD	1722106-96	ND	0.11233	0.12500	mg/kg	13.3	89.9	20	70 - 130	
Chlorobenzene	MS	<b>1722106-96</b>	<b>ND</b>	<b>0.16760</b>	<b>0.12500</b>	<b>mg/kg</b>		<b>134</b>		<b>70 - 130</b>	<b>Q03</b>
	MSD	<b>1722106-96</b>	<b>ND</b>	<b>0.12239</b>	<b>0.12500</b>	<b>mg/kg</b>	<b>31.2</b>	<b>97.9</b>	<b>20</b>	<b>70 - 130</b>	<b>Q02</b>
Chloroethane	MS	<b>1722106-96</b>	<b>ND</b>	<b>0.13579</b>	<b>0.12500</b>	<b>mg/kg</b>		<b>109</b>		<b>70 - 130</b>	
	MSD	<b>1722106-96</b>	<b>ND</b>	<b>0.10979</b>	<b>0.12500</b>	<b>mg/kg</b>	<b>21.2</b>	<b>87.8</b>	<b>20</b>	<b>70 - 130</b>	<b>Q02</b>
1,4-Dichlorobenzene	MS	1722106-96	ND	0.14509	0.12500	mg/kg		116		70 - 130	
	MSD	1722106-96	ND	0.12066	0.12500	mg/kg	18.4	96.5	20	70 - 130	
1,1-Dichloroethane	MS	1722106-96	ND	0.12711	0.12500	mg/kg		102		70 - 130	
	MSD	1722106-96	ND	0.12588	0.12500	mg/kg	1.0	101	20	70 - 130	
1,1-Dichloroethene	MS	<b>1722106-96</b>	<b>ND</b>	<b>0.17495</b>	<b>0.12500</b>	<b>mg/kg</b>		<b>140</b>		<b>70 - 130</b>	<b>Q03</b>
	MSD	<b>1722106-96</b>	<b>ND</b>	<b>0.12637</b>	<b>0.12500</b>	<b>mg/kg</b>	<b>32.2</b>	<b>101</b>	<b>20</b>	<b>70 - 130</b>	<b>Q02</b>
Toluene	MS	<b>1722106-96</b>	<b>ND</b>	<b>0.15541</b>	<b>0.12500</b>	<b>mg/kg</b>		<b>124</b>		<b>70 - 130</b>	
	MSD	<b>1722106-96</b>	<b>ND</b>	<b>0.11481</b>	<b>0.12500</b>	<b>mg/kg</b>	<b>30.0</b>	<b>91.8</b>	<b>20</b>	<b>70 - 130</b>	<b>Q02</b>
Trichloroethene	MS	<b>1722106-96</b>	<b>ND</b>	<b>0.17005</b>	<b>0.12500</b>	<b>mg/kg</b>		<b>136</b>		<b>70 - 130</b>	<b>Q03</b>
	MSD	<b>1722106-96</b>	<b>ND</b>	<b>0.11561</b>	<b>0.12500</b>	<b>mg/kg</b>	<b>38.1</b>	<b>92.5</b>	<b>20</b>	<b>70 - 130</b>	<b>Q02</b>
1,2-Dichloroethane-d4 (Surrogate)	MS	1722106-96	ND	0.043230	0.050000	mg/kg		86.5		70 - 121	
	MSD	1722106-96	ND	0.049240	0.050000	mg/kg	13.0	98.5		70 - 121	
Toluene-d8 (Surrogate)	MS	1722106-96	ND	0.047690	0.050000	mg/kg		95.4		81 - 117	
	MSD	1722106-96	ND	0.049410	0.050000	mg/kg	3.5	98.8		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1722106-96	ND	0.050040	0.050000	mg/kg		100		74 - 121	
	MSD	1722106-96	ND	0.050370	0.050000	mg/kg	0.7	101		74 - 121	

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**Reported:** 09/12/2017 11:31  
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Project Number: 16-03318 OCTA  
Project Manager: Matt Pendleton

## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10763]</b>						
TPH - Gasoline	B[10763-BLK1]	ND	mg/kg	20	5.0	
TPH - Diesel (FFP)	B[10763-BLK1]	ND	mg/kg	10	1.2	
TPH - Motor Oil	B[10763-BLK1]	ND	mg/kg	20	6.5	
<b>Tetracosane (Surrogate)</b>	<b>B[10763-BLK1]</b>	<b>91.2</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		
<b>QC Batch ID: B[10772]</b>						
TPH - Gasoline	B[10772-BLK1]	ND	mg/kg	20	5.0	
TPH - Diesel (FFP)	B[10772-BLK1]	ND	mg/kg	10	1.2	
TPH - Motor Oil	B[10772-BLK1]	ND	mg/kg	20	6.5	
<b>Tetracosane (Surrogate)</b>	<b>B[10772-BLK1]</b>	<b>90.5</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

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## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: B[0763]</b>										
TPH - Diesel (FFP)	B[0763-BS1	LCS	69.787	83.893	mg/kg	83.2		64 - 124		
Tetracosane (Surrogate)	B[0763-BS1	LCS	3.0554	3.3570	mg/kg	91.0		20 - 145		
<b>QC Batch ID: B[0772]</b>										
TPH - Diesel (FFP)	B[0772-BS1	LCS	72.197	84.746	mg/kg	85.2		64 - 124		
Tetracosane (Surrogate)	B[0772-BS1	LCS	3.0468	3.3912	mg/kg	89.8		20 - 145		

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Project Manager: Matt Pendleton

## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B[10763]</b>		Used client sample: N								
TPH - Diesel (FFP)	MS	1722106-56	ND	47.306	83.893	mg/kg		56.4		52 - 131
	MSD	1722106-56	ND	68.045	84.746	mg/kg	36.0	80.3	30	52 - 131
Tetracosane (Surrogate)	MS	1722106-56	ND	2.0178	3.3570	mg/kg		60.1		20 - 145
	MSD	1722106-56	ND	3.0485	3.3912	mg/kg	40.7	89.9		20 - 145
<b>QC Batch ID: B[10772]</b>		Used client sample: Y - Description: RB7-15, 08/31/2017 11:15								
TPH - Diesel (FFP)	MS	1724616-21	2.9247	69.762	81.967	mg/kg		81.5		52 - 131
	MSD	1724616-21	2.9247	65.413	82.508	mg/kg	6.4	75.7	30	52 - 131
Tetracosane (Surrogate)	MS	1724616-21	ND	2.8333	3.2800	mg/kg		86.4		20 - 145
	MSD	1724616-21	ND	2.6926	3.3017	mg/kg	5.1	81.6		20 - 145

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### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10353]</b>						
Mercury	B[10353-BLK1]	ND	mg/kg	0.16	0.019	
<b>QC Batch ID: B[10505]</b>						
Antimony	B[10505-BLK1]	ND	mg/kg	5.0	0.33	
Arsenic	B[10505-BLK1]	ND	mg/kg	1.0	0.40	
Barium	B[10505-BLK1]	ND	mg/kg	0.50	0.18	
Beryllium	B[10505-BLK1]	ND	mg/kg	0.50	0.047	
Cadmium	B[10505-BLK1]	ND	mg/kg	0.50	0.052	
Chromium	B[10505-BLK1]	ND	mg/kg	0.50	0.050	
Cobalt	B[10505-BLK1]	ND	mg/kg	2.5	0.098	
Copper	B[10505-BLK1]	ND	mg/kg	1.0	0.050	
Lead	B[10505-BLK1]	ND	mg/kg	2.5	0.28	
Molybdenum	B[10505-BLK1]	ND	mg/kg	2.5	0.050	
Nickel	B[10505-BLK1]	ND	mg/kg	0.50	0.15	
Selenium	B[10505-BLK1]	ND	mg/kg	1.0	0.98	
Silver	B[10505-BLK1]	ND	mg/kg	0.50	0.067	
Thallium	B[10505-BLK1]	ND	mg/kg	5.0	0.64	
Vanadium	B[10505-BLK1]	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B[10505-BLK1]</b>	<b>0.14041</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>
<b>QC Batch ID: B[10577]</b>						
Antimony	B[10577-BLK1]	ND	mg/kg	5.0	0.33	
Arsenic	B[10577-BLK1]	ND	mg/kg	1.0	0.40	
Barium	B[10577-BLK1]	ND	mg/kg	0.50	0.18	
Beryllium	B[10577-BLK1]	ND	mg/kg	0.50	0.047	
Cadmium	B[10577-BLK1]	ND	mg/kg	0.50	0.052	
Chromium	B[10577-BLK1]	ND	mg/kg	0.50	0.050	
Cobalt	B[10577-BLK1]	ND	mg/kg	2.5	0.098	
<b>Copper</b>	<b>B[10577-BLK1]</b>	<b>0.10155</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.050</b>	<b>J</b>
Lead	B[10577-BLK1]	ND	mg/kg	2.5	0.28	
<b>Molybdenum</b>	<b>B[10577-BLK1]</b>	<b>0.12026</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.050</b>	<b>J</b>
Nickel	B[10577-BLK1]	ND	mg/kg	0.50	0.15	
Selenium	B[10577-BLK1]	ND	mg/kg	1.0	0.98	
Silver	B[10577-BLK1]	ND	mg/kg	0.50	0.067	
Thallium	B[10577-BLK1]	ND	mg/kg	5.0	0.64	

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### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: B[10577]</b>						
Vanadium	B[10577-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B[10577-BLK1</b>	<b>0.27278</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>
<b>QC Batch ID: B[10788]</b>						
Antimony	B[10788-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	B[10788-BLK1	ND	mg/kg	1.0	0.40	
Barium	B[10788-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	B[10788-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	B[10788-BLK1	ND	mg/kg	0.50	0.052	
Chromium	B[10788-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	B[10788-BLK1	ND	mg/kg	2.5	0.098	
Copper	B[10788-BLK1	ND	mg/kg	1.0	0.050	
Lead	B[10788-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	B[10788-BLK1	ND	mg/kg	2.5	0.050	
Nickel	B[10788-BLK1	ND	mg/kg	0.50	0.15	
Selenium	B[10788-BLK1	ND	mg/kg	1.0	0.98	
Silver	B[10788-BLK1	ND	mg/kg	0.50	0.067	
Thallium	B[10788-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	B[10788-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>B[10788-BLK1</b>	<b>0.11459</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>

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### Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B[I0353]</b>										
Mercury	B[I0353-BS1	LCS	0.90912	0.80000	mg/kg	114		80 - 120		
<b>QC Batch ID: B[I0505]</b>										
Antimony	B[I0505-BS1	LCS	100.49	100.00	mg/kg	100		75 - 125		
Arsenic	B[I0505-BS1	LCS	9.4011	10.000	mg/kg	94.0		75 - 125		
Barium	B[I0505-BS1	LCS	105.16	100.00	mg/kg	105		75 - 125		
Beryllium	B[I0505-BS1	LCS	9.5272	10.000	mg/kg	95.3		75 - 125		
Cadmium	B[I0505-BS1	LCS	9.5337	10.000	mg/kg	95.3		75 - 125		
Chromium	B[I0505-BS1	LCS	103.61	100.00	mg/kg	104		75 - 125		
Cobalt	B[I0505-BS1	LCS	99.355	100.00	mg/kg	99.4		75 - 125		
Copper	B[I0505-BS1	LCS	90.782	100.00	mg/kg	90.8		75 - 125		
Lead	B[I0505-BS1	LCS	99.004	100.00	mg/kg	99.0		75 - 125		
Molybdenum	B[I0505-BS1	LCS	98.138	100.00	mg/kg	98.1		75 - 125		
Nickel	B[I0505-BS1	LCS	105.88	100.00	mg/kg	106		75 - 125		
Selenium	B[I0505-BS1	LCS	9.3653	10.000	mg/kg	93.7		75 - 125		
Silver	B[I0505-BS1	LCS	9.4131	10.000	mg/kg	94.1		75 - 125		
Thallium	B[I0505-BS1	LCS	107.66	100.00	mg/kg	108		75 - 125		
Vanadium	B[I0505-BS1	LCS	106.58	100.00	mg/kg	107		75 - 125		
Zinc	B[I0505-BS1	LCS	95.248	100.00	mg/kg	95.2		75 - 125		
<b>QC Batch ID: B[I0577]</b>										
Antimony	B[I0577-BS1	LCS	105.85	100.00	mg/kg	106		75 - 125		
Arsenic	B[I0577-BS1	LCS	9.7011	10.000	mg/kg	97.0		75 - 125		
Barium	B[I0577-BS1	LCS	102.46	100.00	mg/kg	102		75 - 125		
Beryllium	B[I0577-BS1	LCS	10.548	10.000	mg/kg	105		75 - 125		
Cadmium	B[I0577-BS1	LCS	10.195	10.000	mg/kg	102		75 - 125		
Chromium	B[I0577-BS1	LCS	106.21	100.00	mg/kg	106		75 - 125		
Cobalt	B[I0577-BS1	LCS	100.67	100.00	mg/kg	101		75 - 125		
Copper	B[I0577-BS1	LCS	99.046	100.00	mg/kg	99.0		75 - 125		
Lead	B[I0577-BS1	LCS	100.19	100.00	mg/kg	100		75 - 125		
Molybdenum	B[I0577-BS1	LCS	102.21	100.00	mg/kg	102		75 - 125		
Nickel	B[I0577-BS1	LCS	108.79	100.00	mg/kg	109		75 - 125		
Selenium	B[I0577-BS1	LCS	9.5063	10.000	mg/kg	95.1		75 - 125		
Silver	B[I0577-BS1	LCS	9.8771	10.000	mg/kg	98.8		75 - 125		
Thallium	B[I0577-BS1	LCS	113.39	100.00	mg/kg	113		75 - 125		

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Rincon Consultants  
180 North Ashwood Avenue  
Ventura, CA 93003

**Reported:** 09/12/2017 11:31  
**Project:** Soil Samples  
**Project Number:** 16-03318 OCTA  
**Project Manager:** Matt Pendleton

### Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: B[0577]</b>										
Vanadium	B[0577-BS1	LCS	110.20	100.00	mg/kg	110		75 - 125		
Zinc	B[0577-BS1	LCS	97.884	100.00	mg/kg	97.9		75 - 125		
<b>QC Batch ID: B[0788]</b>										
Antimony	B[0788-BS1	LCS	98.872	100.00	mg/kg	98.9		75 - 125		
Arsenic	B[0788-BS1	LCS	9.3718	10.000	mg/kg	93.7		75 - 125		
Barium	B[0788-BS1	LCS	104.26	100.00	mg/kg	104		75 - 125		
Beryllium	B[0788-BS1	LCS	9.8709	10.000	mg/kg	98.7		75 - 125		
Cadmium	B[0788-BS1	LCS	9.5444	10.000	mg/kg	95.4		75 - 125		
Chromium	B[0788-BS1	LCS	103.53	100.00	mg/kg	104		75 - 125		
Cobalt	B[0788-BS1	LCS	99.107	100.00	mg/kg	99.1		75 - 125		
Copper	B[0788-BS1	LCS	93.117	100.00	mg/kg	93.1		75 - 125		
Lead	B[0788-BS1	LCS	98.088	100.00	mg/kg	98.1		75 - 125		
Molybdenum	B[0788-BS1	LCS	97.664	100.00	mg/kg	97.7		75 - 125		
Nickel	B[0788-BS1	LCS	106.40	100.00	mg/kg	106		75 - 125		
Selenium	B[0788-BS1	LCS	9.2728	10.000	mg/kg	92.7		75 - 125		
Silver	B[0788-BS1	LCS	9.3633	10.000	mg/kg	93.6		75 - 125		
Thallium	B[0788-BS1	LCS	107.56	100.00	mg/kg	108		75 - 125		
Vanadium	B[0788-BS1	LCS	101.24	100.00	mg/kg	101		75 - 125		
Zinc	B[0788-BS1	LCS	95.149	100.00	mg/kg	95.1		75 - 125		

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Reported: 09/12/2017 11:31
Project: Soil Samples
Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Total Concentrations (TTLIC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes QC Batch IDs B[0353] and B[0505].

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Project Number: 16-03318 OCTA
Project Manager: Matt Pendleton

Total Concentrations (TTLIC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes QC Batch IDs B|I0505 and B|I0577.

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Project Manager: Matt Pendleton

Total Concentrations (TTLIC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quails. Includes data for Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quails. Includes data for Antimony, Arsenic, and Barium.

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Total Concentrations (TTLIC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes rows for various elements like Beryllium, Cadmium, Chromium, etc.

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**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A02 The difference between duplicate readings is less than the quantitation limit.
- A03 The sample concentration is more than 4 times the spike level.
- A07 Detection and quantitation limits were raised due to sample dilution caused by high analyte concentration or matrix interference.
- A10 Detection and quantitation limits were raised due to matrix interference.
- A19 Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
- A52 Chromatogram not typical of diesel.
- A57 Chromatogram not typical of motor oil.
- Q01 Sample precision is not within the control limits.
- Q02 Matrix spike precision is not within the control limits.
- Q03 Matrix spike recovery(s) is(are) not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.

# Appendix C

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Soil Vapor Laboratory Report



September 1, 2017

Ms. Devin DiNapoli  
Rincon Consultants, Inc.  
180 North Ashwood Avenue  
Ventura, CA 93003

Dear Ms. DiNapoli:

This letter presents the results of the soil vapor investigation conducted by Optimal Technology (Optimal), for Rincon Consultants, Inc. on August 31, 2017. The study was performed at 1516 Lincoln Ave., Anaheim, California.

Optimal was contracted to perform a soil vapor survey at this site to screen for possible chlorinated solvents and aromatic hydrocarbons. The primary objective of this soil vapor investigation was to determine if soil vapor contamination is present in the subsurface soil.

### **Gas Sampling Method**

Gas sampling was performed by hydraulically pushing soil gas probes to a depth of 5.0 feet below ground surface (bgs). An electric rotary hammer drill was used to drill a 1.0-inch diameter hole through the overlying surface to allow probe placement when required. The same electric hammer drill was used to push probes in areas of resistance during placement.

At each sampling location, an electric vacuum pump set to draw 0.2 liters per minute (L/min) of soil vapor was attached to the probe and purged prior to sample collection. Vapor samples were obtained in Hamilton gas-tight syringes by puncturing tubing which connects the sampling probe and the vacuum pump. New tubing was used at each sampling point to prevent cross contamination. Samples were immediately injected into the gas chromatograph after collection.

All analyses were performed on a laboratory grade Hewlett Packard model 5890 Series II gas chromatograph equipped with a Flame Ionization Detector (FID) and an Electron Capture Detector (ECD). Restec wide bore capillary columns using hydrogen as the carrier gases were used to perform all analysis. All results were collected on a personal computer utilizing Hewlett Packard's PC based chromatographic data collection and handling system.

## Quality Assurance

### *5-Point Calibration*

The initial five-point calibration consisted of 20, 50, 100, 200 and 500 ul injections of the calibration standard. A calibration factor on each analyte was generated using a best fit line method using the HP data system. If the  $r^2$  factor generated from this line was not greater than 0.990, an additional five-point calibration would have been performed. Method reporting limits were calculated to be 0.004-5.0 micrograms per Liter (ug/L) for the individual compounds.

A daily calibration check and end of run calibration check was performed using a pre-mixed standard supplied by Scotty Analyzed Gases. The standard contained common halogenated solvents and aromatic hydrocarbons (see Table 1). The individual compound concentrations in the standards ranged between 0.025 nanograms per microliter (ng/ul) and 0.25 ng/ul.

**TABLE 1**

Dichlorodifluoromethane	Carbon Tetrachloride	Chloroethane
Trichlorofluoromethane	1,2-Dichloroethane	Benzene
1,1-Dichloroethene	Trichloroethene	Toluene
Methylene Chloride	1,1,2-Trichloroethane	Ethylbenzene
trans-1,2-Dichloroethene	Tetrachloroethene	m-/p-Xylene
1,1-Dichloroethane	Chloroform	o-Xylene
cis-1,2-Dichloroethene	1,1,1,2-Tetrachloroethane	Vinyl Chloride
1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	Freon 113
4-Methyl-2-Pentanone	Cyclohexane	Acetone
Chlorobenzene	2-Butanone	Methane
Isobutane		

### *Sample Replicates*

A replicate analysis (duplicate) was run to evaluate the reproducibility of the sampling system and instrument. The difference between samples did not vary more than 20%.

### *Equipment Blanks*

Blanks were run at the beginning of each workday and after calibrations. The blanks were collected using an ambient air sample. These blanks checked the septum, syringe, GC column, GC detector and the ambient air. Contamination was not found in any of the blanks analyzed during this investigation. Blank results are given along with the sample results.

### *Tracer Gas Leak Test*

A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the tubing meets the probe connection and the surface bentonite seals. Isobutane was used as the tracer gas. No Isobutane was found in any of the samples collected.

### *Purge Volume*

The standard purge volume of three volumes was purged in accordance with the July 2015 DTSC/RWQCB Advisory for Active Soil Gas Investigations.

### *Shut-in Test*

A shut-in test was conducted prior to purging or sampling each location to check for leaks in the above-ground sampling system. The system was evaluated to a minimum measured vacuum of 100 inches of water. The vacuum gauge was calibrated and sensitive enough to indicate a water pressure change of at least 0.5 inches.

### **Scope of Work**

To achieve the objective of this investigation a total of 13 vapor samples were collected from 12 locations at the site. Sampling depths, vacuum readings, purge volume and sampling volumes are given on the analytical results page. All the collected vapor samples were analyzed on-site using Optimal's mobile laboratory.

### **Subsurface Conditions**

Subsurface soil conditions at this site offered sampling flows at 0-20" water vacuum. Depth to groundwater was unknown at the time of the investigation.

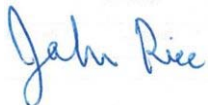
### **Results**

During this vapor investigation, three samples contained levels of Methane ranging from 5.45 ug/L to 162.35 ug/L. Two samples contained levels of Trichloroethene (TCE) ranging from 0.18 ug/L to 1.09 ug/L. None of the other compounds listed in Table 1 above were detected above the listed reporting limits. A complete table of analytical results is included with this report.

### **Disclaimer**

All conclusions presented in this letter are based solely on the information collected by the soil vapor survey conducted by Optimal Technology. Soil vapor testing is only a subsurface screening tool and does not represent actual contaminant concentrations in either the soil and/or groundwater. We enjoyed working with you on this project and look forward to future projects. If you have any questions please contact me at (877) 764-5427.

Sincerely,



John Rice  
Project Manager



